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AN INVENTORY OF STATE
NATURAL RESOURCES INFORMATION SYSTEMS

Final Report

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Kansas Applied Remote Sensing (KARS) Program
University of Kansas
Space Technology Center
Lawrence, Kansas 66045-2969

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by

Loyola M. Caron, Project Manager
Debora Sidor Stewart, Research Assistant

Edward A. Martinko
Principal Investigator

Kansas Applied Remote Sensing (KARS) Program
University of Kansas
Space Technology Center
Lawrence, Kansas 66045-2969

THE UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.

2291 Irving Hill Drive—Campus West
Lawrence, Kansas 66045



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INTRODUCTION

During the last two decades, the availability of computer technologies has increased dramatically. These technologies have enabled state governments to implement improved data processing techniques for administrative and analytical applications. In several states (e.g., Minnesota and Texas), centers have been established to coordinate both automated and non-automated data assembled for use by state agencies and others (Cornwell 1981; Council of State Governments 1978; Mead 1981; and Tessar and Caron 1980). More frequently, however, the automation of data has been fragmented and limited in scope. Typically, computerized data repositories have been created by agency staff to meet short term needs, to improve manageability of complex files, and/or to assist in the day-to-day operations of a particular office.

Because of the highly fragmented nature of natural resources data, the data have been difficult to access. Armentano and Loucks (1979) described ecological and environmental data as "under-utilized natural resources," and speculated that the rapid emergence of much uncoordinated data gathering outstripped the ability of technical and policy staffs to keep aware of program output. They concluded that "the lack of a comprehensive clearing-house activity for environmental data has led to situations where data bases of value to many potential users go unrecognized and therefore unused."

The inventory of state and sub-state natural resources data bases described in this paper provides a single comprehensive compilation of information sources for the entire United States. The goal is to improve access to existing data and to identify the many differing and unique data collection and analysis techniques utilized by the states, resulting in increased opportunities for information-sharing.

OBJECTIVES AND SCOPE

The primary objectives of this project were to locate, identify, characterize and document computer-based natural resources data bases maintained by agencies of state government in the U.S. The study focused on systems or data bases containing natural resources and related data and having geographic coverage that was statewide or regional in extent. These systems typically included data on phenomena such as climate, energy, environmental quality, geology, hydrology, land use/land cover, soils, topography, vege-

tation and wildlife. An attempt was also made to document data bases which contain socio-economic data, provided the data are collected and managed by a state or sub-state level of government and not by a federal office.

Specific data elements collected for each data base identified included:

- Data base/information system name and agency identification;
- Contacts (e.g., names, addresses, telephone numbers);
- Data type(s) included;
- Data format (e.g., classification scheme, resolution or scale);
- Geographic coverage;
- Accuracy/reliability, if known;
- Updating frequency/currency;
- Data sources;
- Availability of data base to non-agency users;
- Security restrictions, if any;
- Hardware/software support; and
- Available documentation of the system or data base.

For purposes of this study, a *data base* is defined as any collection of data containing relationships between various data items. An *information system* describes a comprehensive, integrated system incorporating one or more data bases and/or a linked network system which is accessible to state agencies and others. Information or data resources are joined together in both a formal and informal manner to support the decision-making process.

The term *natural resources information system (NRIS)* describes a system which is developed chiefly to support planning and management of environmental and natural resources. Such a system is sometimes operated by one state agency or designated coordinating center on behalf of several agencies, and may serve as a clearinghouse for both automated and non-automated information.

A *geographic information system (GIS)* is a system in which all data are spatially referenced in order that multiple themes of data can be registered and analyzed in concert. A major output product is a map upon which one or more data types are portrayed. Natural resources information systems often, but not always, possess components which permit GIS operations. Some of the data bases identified in this study are formatted as geographic information systems, but many are not.

This study focused on data bases and information systems developed and maintained by state agencies. Cooperative efforts between state and federal agencies, or state agencies and universities, were not dealt with directly, but were documented when identified.

METHODOLOGY

The inventory of state data bases was conducted for all 50 states, Puerto Rico and the U.S. Virgin Islands. The strategy for acquiring information about natural resources or related data bases involved:

- 1) Identification of contacts in each state/territory;
- 2) Distribution of a preliminary synoptic questionnaire for data bases identified by state contacts; and
- 3) Design and distribution of a detailed follow-up survey for all relevant data bases identified.

All information regarding automated data bases and systems identified in this study is assembled into a computerized Master Data Base Catalog at the University of Kansas Applied Remote Sensing Program. This data base facilitates cost-effective storage, analysis, manipulation, retrieval and dissemination of data collected.

The Master Data Base Catalog is thoroughly cross-referenced so that the system can be queried for different types of information. For example, it is possible to retrieve data by state, data category, data base, data base acronym, and computer vendor/model.

Identification of Contacts

Individuals were contacted in the 50 states, Puerto Rico and the U.S. Virgin Islands, and asked to provide information regarding natural resources data bases in their respective states of which they were aware. These contacts were identified via personal knowledge, referral to lists of conference participants published in the proceedings of recent meetings relevant to this effort, and review of publications relating to statewide information systems (for example, Cornwell 1981; Mead 1981; Tessar and Caron 1980). Letters of inquiry were also sent to heads of natural resources agencies in the states.

Each person contacted was asked to refer other state agency personnel responsible for managing automated repositories. In this way, efforts could be focused on individuals recognized by colleagues as being most likely to provide information regarding additional repositories in their state.

Distribution of Preliminary Questionnaires

Preliminary questionnaires were mailed to each state contact, in order to acquire synoptic information about any data bases managed by his/her agency (Appendix 1). Details requested in this questionnaire included:

- Contact name, title, agency, address and telephone number
- Name of repository
- Subject matter included
- Geographic coverage
- Date repository was initiated, and date last updated
- Is documentation available?
- Is the repository automated?
- If automated:
 - Where are computer facilities maintained?
 - Programming language(s) of on-line system
 - Is the agency willing to share data with other agencies through an on-line communications link?

This questionnaire accomplished several objectives:

- 1) It served to quickly characterize state and sub-state data bases without requiring a great deal of time or effort by the respondent.
- 2) It established whether a data bases was automated or manual. (Non-automated data bases were identified if they were being considered for automation in the near future.)
- 3) It provided a quick overview of the data base.
- 4) It provided a means to acquire existing documentation of the data base.
- 5) It served as a mechanism for notifying the states of the inventory, and for soliciting referrals to other individuals in the state who would be able to provide information on additional data bases.

Follow-up Surveys

The design of the follow-up survey took into consideration the tremendous variety of data bases and information systems existing in the states, and reduced these into their basic components--i.e., the data--which could then be addressed through a single questionnaire. This approach served to provide a common framework for all data bases, regardless of their size or the variety of data contained within them.

To acquire the desired information regarding each data base, the follow-up survey was divided into two parts. Part I addressed computer facilities available to the state agency, i.e., how and where the data are automated. The computer facilities were characterized on the basis of institutional considerations, hardware, software, and peripheral devices available.

Questions in Part II of the survey sought to describe attributes of each major data category independently of other data categories. In this way, important variations in the ways in which different types of data are (for example) geographically referenced or stored could be documented.

Once designed, the survey was reviewed, evaluated and revised based upon the comments of state participants in three states, as well as other individuals working with data bases in university settings. Elements characterized in the follow-up survey are described below. A sample follow-up survey form is included in Appendix 2.

Survey respondents were asked to provide the following information about their computer facilities (Part I)*:

- 1) Computer vendor and model (for all computers utilized)
- 2) Location (residence) of computer facilities
- 3) Mode of operation (i.e., batch and/or interactive)
- 4) Is the system a geographic information system?
- 5) Description of facilities maintained in-house
 - a) Operating system for in-house computer(s)
 - b) System capacity (main memory, disc storage, simultaneous users supported)
 - c) Programming languages used
 - d) Specialized software available (e.g., image processing or data base management packages)
 - e) Peripheral devices (e.g., displays, digitizers, hard-copy graphics/terminals)

*Note that respondents were asked to describe all of their computer facilities one time only, regardless of the number of data bases under their management. Consequently, if a respondent manages several data bases and has access to more than one computer, it is not possible to associate each data base with a specific computer system. This situation occurred infrequently, however.

Respondents were also asked to provide written documentation of the data base or information system, if available, and to identify user fees policies, if established.

In Part II of the survey, respondents were asked to identify major data categories contained within each data base identified, and to list specific types of data contained within each category. A summary of data categories most often identified is contained in Table 1. Respondents were asked to provide the following details for each data category:

- 1) Geographic coverage
- 2) Geographic reference (e.g., Public Land Survey, Universal Transverse Mercator)
- 3) Resolution - minimum level to which the data are aggregated
- 4) Data storage format (e.g., grid, polygon)
- 5) Output products available (e.g., statistical summaries, composite mapping)
- 6) Primary/secondary data - are the source data primary (i.e., collected by agency staff or by someone on its behalf), secondary (i.e., collected by another agency), or a combination of both?
- 7) Data sources - if the data are primary, how were they obtained (e.g., field survey, air photo interpretation)?
- 8) Reliability - a subjective assessment of the reliability of the data, taking into account collection methods, resolution, and other variables, prior to data base entry
- 9) Updating frequency - how often are the source data updated? When were they last updated?
- 10) Confidentiality - are any of the data in this category subject to restricted access?
- 11) Classification scheme employed, if applicable (e.g., Anderson's classification for land cover derived from remote sensing data; or National Wetlands Classification)
- 12) Are any of the data in this category routinely supplied to a repository of a federal agency (e.g., USGS/NAWDEX, EPA/STORET)?

TABLE 1.

The inventory of natural resources data bases focused on systems containing information on these natural/environmental resources and associated data.

NATURAL RESOURCES AND RELATED DATA

Agriculture	Forestry	Recreation
Base Data	Geology	Socio-economic Data
Climate/Weather	Groundwater	Soils Data
Coastal/Marine Resources	Land Use/Land Cover	Surface Water
Cultural Resources	Natural Diversity Elements/ Natural Areas	Topography
Demography	Natural Disasters/Hazards	Transportation
Energy	Ownership	Vegetation
Environmental Quality		Wildlife
Fisheries		

MASTER DATA BASE CATALOG

The Master Data Base Catalog contains a detailed description of all automated data bases and information systems identified during the course of this study. Each data base in the catalog has been entered into a Zenith Z-100 Desktop Computer System, using Z-BASIC version 1.00 software with the Z-DOS operating system.

Four separate programs were developed by KARS Program staff to enable data entry, output, indexing and retrieval. These programs are described below.

IN-OUT

This program enables an operator to enter and print data base descriptions. The data entry portion of the program consists of a series of prompts regarding details acquired for each data base, as outlined below.

CODE:

A unique identification code is assigned to every data base or information system. This code consists of a two-character state abbreviation, a three-digit respondent number, followed by a hyphen and a two-digit data base number. For example, the second data base identified by respondent #1 in Arizona is denoted as AZ001-01.

STATE:

State names are entered by the standard two-character abbreviation (see Appendix 3).

DATA BASE NAME:

(As provided)

DATA BASE ACRONYM:

(As provided)

SUBJECT COVERAGE:

Summary of data categories contained within the data base

GEOGRAPHIC COVERAGE:

A generalized description of geographic coverage for all data categories (e.g., the northeastern portion of the state)

STATUS:

Information regarding systems that are under development, or that are recognized as state systems responsible for coordinating data among state agencies

AGENCY:

The name of the agency maintaining the data base, preceded by its two-character state name abbreviation (e.g., AZ State Land Department)

RESPONDENT: The respondent's name, title, complete address and telephone number

OTHER CONTACTS: Other individuals who can be contacted for information, including addresses and telephone numbers, if different from the respondent's

COMPUTER FACILITIES

COMPUTER(S): The vendor and model number for each computer utilized by the agency

RESIDENCE: Location(s) of the computer systems utilized by the agency (e.g., in-house, Central Data Processing)

OPERATION: Information regarding whether the system is operated in batch and/or interactive mode

GIS CAPABILITY: Information as to whether the system is a geographic information system (GIS) or has a GIS component.

IN-HOUSE FACILITIES

OPERATING

SYSTEM: Operating system for the in-house computer(s)

SYSTEM

CAPACITY: Main memory, computer storage, and simultaneous users supported by the system

LANGUAGE(S): Computer languages utilized on the in-house computer(s)

SPECIALIZED

SOFTWARE: Software designed for special functions (e.g., digital image processing software, graphics/plotting software)

PERIPHERAL

DEVICES: Description of any output devices utilized by the agency

DESCRIPTION OF DATA CATEGORIES*

Respondents were asked to identify major data categories contained within the data base, and to provide the following details for each category.

*A loop in the IN-OUT program enables data entry for multiple data categories.

DATA CATEGORY

NAME: Major data category contained in the data base, including a summary of data types within the data category

GEOGRAPHIC

COVERAGE: The extent of geographic coverage for the particular data category identified as precisely as possible

GEOGRAPHIC

REFERENCE: Methods for referencing the data within the system (e.g., Public Land Survey, Universal Transverse Mercator)

MINIMUM

RESOLUTION: The resolution at which the data have been entered into the data base (e.g., site specific, by county)

DATA STORAGE

FORMAT: Information regarding the method of data entry and storage (e.g., polygonal, grid-cell)

OUTPUT PRODUCTS: The most frequent products produced from the data base for this data category (e.g., computer printouts, maps - 1:24,000-scale only)

DATA SOURCES: Primary and/or secondary

UPDATE

FREQUENCY: The frequency with which the *source* data are updated, and date of last update

CONFIDENTIALITY: Are the data subject to restricted access?

CLASSIFICATION: Special schemes utilized for classifying data (e.g., National Wetlands Classification)

COMMENTS: Remarks addressing whether the data are routinely supplied to a federal repository are noted here, as well as any other comments made by the respondent for this particular data category

DOCUMENTATION: List of documentation available for the data base

USER FEE POLICY: Charges to users for accessing the data base, if applicable

Editing of the data base descriptions is accomplished using WORDSTAR, a word processing software package developed by MicroPro International Corporation.

The output portion of the program enables the operator to either display a data base description directly onto the CRT screen of the Zenith Z-100 microcomputer, or to print the description to a Brother HR-1 printer.

INITIAL

The purpose of this program is to initialize the index files, which include (1) keyword files, (2) counter file and (3) data base list file (i.e., a file of the CODE designations uniquely identifying each data base). The program also sorts the data base list file alphabetically and according to diskette number sequence, in order to facilitate the index generation process described below. In this program, data base code identification numbers and diskette numbers can be revised if they had been entered incorrectly, enabling some limited editing on the data base list file.

INDEX

This program creates keyword-index files which are required for retrieval of "key data." In the program, keywords are picked up, data base by data base, and stored in individual key files according to a key number. After running the program, a two-way linkage between data bases and the keywords related to those data bases is built. This two-way linkage enables users to retrieve data bases by keyword, or to retrieve keywords by data base. Refer to the discussion of the RETRIEVE program for additional information about the purpose of the INDEX program.

RETRIEVE

Once the index files have been built, the data can be easily manipulated. The purpose of the RETRIEVE program is to fetch information from the data bank created by the INDEX program. This program can retrieve the information and print it out alphabetically. Therefore, data entry errors (e.g., typographical), can be quickly identified.

The RETRIEVE program operates in two basic modes. The first is "single keyword set mode," which allows the user to retrieve data bases that have specific keywords. The second is the "statistical mode," in which statistics for the entire data bank can be retrieved and printed according to different key levels.

Keywords can be retrieved for 14 different attributes of the data bases:

- 1) Code
- 2) State
- 3) Data base name
- 4) Data base acronym
- 5) Agency
- 6) Respondent's last name
- 7) Computer vendor and model
- 8) GIS capability
- 9) Language(s)
- 10) Specialized software
- 11) Data category name
- 12) Geographic reference
- 13) Data sources
- 14) Level of reliability

Items 12, 13 and 14 were included so that summary statistics could be easily generated regarding geographic reference schemes most commonly used, data sources and level of reliability. Note that information for these three items is retrieved for each data category.

Data can be retrieved from as many as five keyword files simultaneously. For example, if an individual requests information regarding land use/land cover information available for the State of Arizona, information would be retrieved on the keyword files for (1) state (Arizona) and (2) data category (land use/land cover). The result of this search is as follows:

STATE: AZ

DATA CATEGORY NAME: Land cover

Solution:

Data Base Code:

AZ001-01

If information is desired about state agencies that are utilizing a PRIME 550 computer, a search on "computers" would provide the following information:

COMPUTER(S): PRIME 550

Solutions:

Data Base Code:

AZ001-01	MD001-01
AZ001-02	MD001-02
AZ001-03	MD001-03
AZ001-04	PR004-01
IA002-01	WA002-01
IL008-01	

A search for data bases having a GIS capability, and containing soils data referenced by latitude/longitude, would provide the following:

GIS CAPABILITY : Yes
DATA CATEGORY NAME : Soils data
GEOGRAPHIC REFERENCE: Latitude/longitude

Solutions:

Data Base Codes:

C0002-01
IL005-01
IN001-01
KY001-01
MS001-03
NC007-01
NM001-01
NM002-01
OK004-01
WA004-01

The result of a search for data bases containing information on "wildlife" identifies 45 data bases:

DATA CATEGORY NAME: Wildlife

Solutions:

Data Base Code:

AK002-01	M0002-01
AK002-02	MS001-04
AK002-03	MS001-05
AK003-01	MS001-06
AL003-01	MS001-09
AZ003-01	MS002-02
C0001-01	NC003-01
C0002-01	NC007-01
FL004-01	NM001-01
ID001-05	NM002-01
IL005-01	NV001-01
IN001-01	NY001-01
KS001-01	NY002-01
KS014-03	NY004-01
KS014-04	OR001-01
KS014-05	PA001-01
KS014-06	PA009-01
KS014-07	UT001-01
MA001-01	WA002-01
MD001-01	WI009-01
M0001-01	WV001-01
M0001-02	WY001-01
M0001-03	

RESULTS AND CONCLUSIONS

More than 600 individuals were contacted in the 50 states, Puerto Rico and the U.S. Virgin Islands, and asked for information regarding automated natural resources data bases in their respective state/territory. Although there is no means by which to ascertain the completeness of this inventory

of data bases, we feel that a substantial inroad has been made toward the documentation of significant state data bases throughout the country. Descriptions of 324 data bases are included in Appendix 4.

Summary of Findings

Using the INDEX program described in the previous section, keywords were extracted from the data base catalog (i.e., the descriptions of data bases) and stored in 14 key files (e.g., CODE, DATA BASE NAME, COMPUTER). The RETRIEVE program was then used in "single keyword set mode" so that the results of the extraction are linked to data base CODES. These results are summarized below. For a complete printout of each key file, refer to Appendix 5.

- CODE - The first key file stores all unique code identification numbers for all data bases documented in this study. This file provides the linkage for data retrieval in "single keyword set mode" from any of the other 13 key files. Three hundred and twenty-four natural resources data bases were cataloged in this study (Appendix 5, Key File #1).
- STATE - The number of data bases identified during this study is summarized, by state, in Table 2 (see also Appendix 5, Key File #2).
- DATA BASE NAME - Data base names were indexed for all data bases documented, and have been retrieved alphabetically (Appendix 5, Key File #3). For a comprehensive summary of all data bases, by state, agency, and code, see also Appendix 6.
- DATA BASE ACRONYM - This file lists all data base acronyms alphabetically (Appendix 5, Key File #4).
- AGENCY - Information can also be retrieved on the basis of state agency name. In this study, all agency names have been preceded by their two-digit state abbreviations (where appropriate), to facilitate searches of the keyword files (Appendix 5, Key File #5).
- RESPONDENT - Key File #6 contains a list of the respondents' last names. This is a particularly useful key file, because it enables rapid identification of all data bases described by a particular individual (Appendix 5, Key File #6).
- COMPUTER - The key file on computers is one of the most important files produced by the INDEX program. Information on computer vendors/models is particularly useful to anyone contemplating development of a new data base/information system, as it is helpful to

TABLE 2.

Summary of data bases identified in the 50 states, Puerto Rico and the U.S. Virgin Islands. Three hundred and twenty-four natural resources and related data bases were documented.

STATE	NO. OF DATA BASES	STATE	NO. OF DATA BASES
	IDENTIFIED		IDENTIFIED
Alabama	3	Nebraska	2
Alaska	5	Nevada	1
Arizona	6	New Hampshire	0
Arkansas	1	New Jersey	14
California	7	New Mexico	3
Colorado	4	New York	5
Connecticut	3	North Carolina	10
Delaware	2	North Dakota	3
Florida	4	Ohio	2
Georgia	0	Oklahoma	14
Hawaii	8	Oregon	12
Idaho	11	Pennsylvania	28
Illinois	13	Puerto Rico	4
Indiana	3	Rhode Island	2
Iowa	2	South Carolina	2
Kansas	30	South Dakota	4
Kentucky	2	Tennessee	5
Louisiana	3	Texas	2
Maine	2	Utah	1
Maryland	4	Vermont	3
Massachusetts	4	Virginia	20
Michigan	3	Virgin Islands	0
Minnesota	5	Washington	15
Mississippi	15	West Virginia	1
Missouri	7	Wisconsin	16
Montana	6	Wyoming	2

speak to others about potential implementation problems that might be encountered when installing the system. A summary of computers most frequently documented in this study is contained in Table 3. For a complete listing of computers, refer to Appendix 5, Key File #7.

- GIS CAPABILITY - Geographic information systems provide unique tools to users, enabling them to register and analyze multiple themes of data in concert. Although these systems are becoming more common throughout the country, state agencies have (more often than not) had limited resources to develop GIS capabilities. Key File #8 identifies those systems that have these spatial data analysis capabilities (Appendix 5, Key File #8). Approximately 47% of all respondents replied that their systems have full or partial GIS capabilities.
- LANGUAGE - It is often essential to know which programming languages are being used on a particular computer system or with certain software. Programming languages are listed by CODE in Appendix 5, Key File #9.
- SPECIALIZED SOFTWARE - Individuals interested in acquiring a particular software package often find it useful to talk to others that have installed and used the package. This information is particularly useful when retrieved in conjunction with COMPUTER and LANGUAGE. A list of specialized software is contained in Appendix 5, Key File #10.
- DATA CATEGORY NAME - Major data categories in each data base were specified by the respondents, and standardized through the editing process to enable more efficient retrieval of this information. Some 86 data categories were identified for the 324 data bases documented in this study. Table 4 contains a summary of the number of data bases documented for the most frequently identified data categories. A complete list of data category names is included in Appendix 5, Key File #11.
- GEOGRAPHIC REFERENCE - Key File #12 was created primarily so that summary statistics could be generated regarding the most frequently used reference schemes used by the states. GEOGRAPHIC REFERENCE is an attribute of each data category and, consequently, more than one scheme may be used in a single data base. The most frequently

TABLE 3.

Summary of computers most frequently utilized in the states. (For a complete list of all computers identified in this study, refer to Appendix 5, File #7.)

<u>Computer vendor/model</u>	<u>Number of data bases</u>
ALTAIR	6
AMDAHL 470/V6	11
APPLE II	20
BURROUGHS B-6700	13
CDC CYBER 175	5
CDC CYBER 194	6
CDC CYBER 195	6
DEC PDP 11/34	14
DEC PDP 11/70	7
DG ECLIPSE MV8000	20
DG ECLIPSE S/130	7
ECS 4500	8
HONEYWELL DPS E/3	14
HONEYWELL Level 6	5
HP3000 Model 44	5
IBM 3033	31
IBM 3033N	5
IBM 3081	14
IBM 3081D	8
IBM 370	16
IBM 370/158	7
IBM 4341	11
IBM 8100	7
IBM PC	16
IMSAI	6
PRIME 550	11
PRIME 750	6
PRIME 850	6
UNIVAC 1100/80	20

TABLE 4.

Number of automated data bases containing information on select data categories. Note that this table summarizes major data categories as specified by the state respondents. Consequently, the data contained in a data base developed primarily for agricultural applications may have been identified as "land use/land cover" by the respondent, rather than as "agricultural" data.

<u>MAJOR DATA CATEGORY</u>	<u># OF DATA BASES IDENTIFIED</u>
Agriculture	12 (11 states)
Base Data	14 (12 states)
Boundaries	19 (14 states)
Climate/Weather	21 (16 states)
Cultural Resources	6 (6 states)
Demography	23 (18 states)
Energy	21 (10 states)
Environmental Quality	28 (18 states)
Fisheries	11 (5 states)
Forestry	26 (10 states)
Geology	39 (22 states)
Groundwater	35 (21 states)
Land Cover	17 (15 states)
Land Use	9 (7 states)
Land Use/Land Cover	28 (21 states)
Natural Diversity Elements	31 (29 states)
Recreation	16 (12 states)
Socio-economic Data	7 (7 states)
Soils Data	30 (22 states)
Surface Water	54 (27 states)
Topography	19 (16 states)
Transportation	8 (8 states)
Vegetation	21 (19 states)
Wildlife	45 (24 states)

utilized geographic reference systems include, in order of use, latitude/longitude, Public Land Survey, Universal Transverse Mercator and State Plane Coordinates (Appendix 5, Key File #12).

- DATA SOURCES - This file was also created primarily for developing summary statistics. Information retrieved concerns whether the data are primary (i.e., collected by the agency or on its behalf), secondary (i.e., collected by another agency), or both. In this study, 36% of all data categories for which data sources were identified utilized primary data, 23% utilized secondary data, and 41% were comprised of both primary and secondary data (Appendix 5, Key File #13).
- LEVEL OF RELIABILITY - Respondents were asked to provide a subjective evaluation of the reliability of each data category they identified. Approximately 43% of the data categories for which an evaluation was given were described as being highly reliable, 37% as moderately reliable, and 4% as being of low reliability. The remaining sixteen percent were designated as "unknown" or "variable" (Appendix 5, Key File #14).

Significant State Data Bases

Sixteen "significant" data bases have been identified during the course of this study (i.e., data bases that represent focal points within the states). These data bases provide a variety of capabilities ranging from data coordinating centers with natural resources information systems, to data coordinating centers without a well-developed natural resources information system, to in-house capabilities (usually including a geographic information system) which have been made available to other state agencies for use, to superagencies with facilities intended to serve its many divisions. These data bases/information systems are detailed below.

ALABAMA

Data base name: Alabama Resource Information System (ARIS)
Managing agency: Alabama Department of Economic and Community Affairs
Scope: Focus on in-house activities
Computer facilities
 Computer: HP 3000 Model 44 (in-house)
 GIS capability: Yes
CODE: AL001-01

ALASKA

Data base name: Alaska Land and Resource System (ALARS)
Managing agency: Alaska Department of Natural Resources
Scope: Superagency responsible for planning, managing and allocating natural resource use on lands owned by the State of Alaska

Computer facilities
 Computers: DEC VAX 11/780 (in-house)
 DATA GENERAL MV8000 (in-house)
 IBM 3031/IBM 4341 (Department of Administration/ Anchorage Data Center)
 GIS capability: Yes
CODE: AK001-01

ARIZONA

Data base name: Arizona Land Resource Information System (ALRIS)
Managing agency: Arizona State Land Department
Scope: Focus on in-house activities; capabilities available to other state agencies

Computer facilities
 Computer: PRIME 550
 GIS capability: Yes
CODE: AZ001-04

HAWAII

Data base name: Hawaii Planning Activities Support System (H-PASS)
Managing agency: Hawaii Department of Planning and Economic Development
Scope: Focus on integrating permit information pertaining to coastal planning and land use for nine state and county agencies; under development

Computer facilities

Computers: WANG 2200VS (in-house)
IBM 370/158 (University of Hawaii)
GIS capability: Partial
CODE: HI002-02

ILLINOIS

Data base name: Illinois Lands Unsuitable for Mining Information System
Managing agency: Illinois Natural History Survey
Scope: Focus on Lands Unsuitable for Mining Program, with support provided by five Illinois agencies; under development

Computer facilities

Computers: PRIME 750 (in-house)
IBM 4341 (University of Illinois)
CDC CYBER 175 (University of Illinois)
GIS capability: Yes
CODE: IL005-01

KENTUCKY

Data base name: Kentucky Natural Resources Information System (KNRIS)
Managing agency: Kentucky Natural Resources and Environmental Protection Cabinet
Scope: Initiated to support the Kentucky Lands Unsuitable for Mining Program, and has been expanded for other natural resource planning applications

Computer facilities

Computer: PRIME 750 (in-house)
GIS capability: Yes
CODE: KY001-01

MARYLAND

Data base name: Maryland Automated Geographic Information System (MAGI)
Managing agency: Maryland Department of State Planning
Scope: Focus on in-house activities
Computer facilities
 Computers: UNIVAC 1100/82 (University of Maryland)
 PRIME 550 (University of Maryland)
 APPLE II (University of Maryland)
 GIS capability: Yes
CODE: MD001-01

MINNESOTA

Data base name: Minnesota Land Management Information System (MLMIS)
Managing agency: Minnesota State Planning Agency
Scope: Statewide information system/coordinating center
Computer facilities
 Computer: PRIME 850 (in-house)
 GIS capability: Yes
CODE: MNO01-01

MISSISSIPPI

Data base name: Mississippi Automated Resource Information System (MARIS)/Mississippi State Data Base
Managing agency: Mississippi Research and Development Center
Scope: Statewide information system/coordinating center
Computer facilities
 Computer: ERDAS System (in-house)
 GIS capability: Yes
CODES: MS002-01 and MS002-02

NEBRASKA

Data base name: Nebraska Natural Resources Information System
Data Bank (NNRIS)
Managing agency: Nebraska Natural Resources Commission
Scope: Coordinates Nebraska Natural Resources Districts;
focused on in-house activities
Computer facilities
Computer: IBM 370/158 (University of Nebraska - Lincoln)
GIS capability: No
CODE: NEO01-01

NEW MEXICO

Data base name: New Mexico Natural Resources Information System
(NRIS)
Managing agencies: New Mexico Natural Resources Department (NRD) and
The Technology Application Center (TAC) - University of New Mexico
Scope: Statewide information system; under development
(NRD handles site specific information, while TAC
deals with regional data)
Computer facilities
Computers: AMDAHL 470/V6 (NRD)
HP 3000 (NRD)
DEC VAX 11/750 (TAC)
GIS capability: Yes
CODES: NM001-01 and NM002-01

NORTH CAROLINA

Data base name: North Carolina Land Resources Information Service
(LRIS) Geographic Information System
Managing agency: North Carolina Department of Natural Resources
and Community Development
Scope: Statewide information system/coordinating center
Computer facilities
Computer: DG ECLIPSE S/230 (in-house)
GIS capability: Yes
CODE: NCO07-01

OHIO

Data base name: Ohio Capability Analysis Program (OCAP)
Managing agency: Ohio Department of Natural Resources
Scope: Focus is at the county level, special project areas
Computer facilities
 Computer: IBM 370 (Ohio Department of Administrative Services, Computer and Information Systems)
 GIS capability: Yes
CODE: OH001-01

TEXAS

Data base name: Texas Natural Resources Information System (TNRIS)
Managing agency: Texas Department of Water Resources
Scope: Statewide information system/coordinating center
Computer facilities
 Computer: UNIVAC 1100/62 (in-house)
 INTERDATA 7/32
 GIS capability: Yes
CODE: TX001-01 and TX001-02

UTAH

Data base name: Automated Geographic Reference (AGR)
Managing agency: Utah Department of Natural Resources and Energy
Scope: Focus on in-house activities
Computer facilities
 Computer: AMDAHL V8 (State Information Systems Center)
 GIS capability: Yes
CODE: UT001-01

VIRGINIA

Data base name: Commonwealth Data Base (CDB)
Managing agency: Virginia Department of Taxation
Scope: Coordinating center; statewide GIS under development at Virginia Polytechnic Institute and State

Computer facilities

Computer: Contract with VPI and Virginia Institute of Marine Science/College of William and Mary (VIMS/W&M)

CODE: VA014-01

Conclusions

Several findings emerged throughout the course of this study. These are discussed in the remainder of this report.

(1) Automated data bases in the states tend to be highly fragmented.

It is clear that data resources in the states are, for the most part, highly fragmented. Those states which have adopted data coordinating centers (e.g., Texas, Minnesota) have been able to overcome many of the problems inherent in such fragmentation--i.e., increased difficulty in data sharing--by serving as focal points for coordinating data resources. Many other states are currently investigating compatible methods of providing and sharing natural resources data between agencies.

It is important to point out that, in most cases, data coordination between state agencies and others is taking place in a decentralized fashion. In these cases, each agency is responsible for developing and maintaining its own data bases; data coordination is accomplished through a task force, committee, or some other focal point. The concept of decentralized data combined with increased coordination between all agencies involved appears to be gaining widespread support among both data generators and data users. The key to the success of coordinating diverse types of data resources so that they are accessible to many users is the leadership provided by some focal point. Several states have initiated discussions to improve data coordination and sharing, including Arizona, Kansas, Oregon, Pennsylvania and others.

(2) The inventory of state data bases should be periodically updated.

Data bases are constantly being developed and updated, and occasionally are being replaced or terminated. The increased availability of computer technologies and powerful analytical and display capabilities has produced an environment in which data processing functions become increasingly sophisticated. These

capabilities, coupled with ever-changing political/institutional arrangements, affect data processing activities in various ways. For example, new data bases are routinely being developed to meet the growing needs of the states for planning, management and regulation of their resources. Existing data bases need to be upgraded in order to take advantage of improved hardware and software. In order to monitor the growth of data processing in the states, it is necessary to conduct periodic updates of the data base descriptions contained in this document, and to identify and document new data bases being implemented in the states.

- (3) Data bases developed and maintained by universities and private industries need to be inventoried and documented. The focus of this study was on data bases developed and maintained by state agencies. It is apparent, however, that data bases frequently result from cooperative efforts between state agencies and universities, and sometimes between state agencies and private entities. Such cooperative efforts represent significant sources of data and clearly need to be cataloged. Similarly, many private industries (e.g., power companies) have implemented very sophisticated data bases in order to assist in the development of environmental impact statements, and to enable identification of cost-effective alternatives (e.g., siting, corridor analysis). These also should be documented.
- (4) The state agencies are willing to share data. State respondents nearly unanimously agreed that their agencies would be willing to share data through on-line communications links. However, the majority of these respondents indicated that their agencies did not now have the facilities to accommodate potential users, but would be willing to discuss alternatives for making the data available to others in an on-line mode. Agencies not willing to share data were, by and large, those which hold "sensitive" data subject to restricted access, or which were concerned about unauthorized access.

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Appendix 1
PRELIMINARY QUESTIONNAIRE

INVENTORY OF STATE AND SUB-STATE REPOSITORIES

Please complete one form for each repository and return to:

Loyola M. Caron
Kansas Applied Remote Sensing (KARS) Program
University of Kansas Space Technology Center
2291 Irving Hill Drive
Lawrence, Kansas 66045

Telephone: (913) 864-4775

GENERAL INFORMATION NEEDS

- Soils Data (Other than that collected by SCS)
 - Location description
 - Capabilities
 - Erosion levels
 - Conservation measures
- Flora/Fauna
 - Location
 - Species
 - Habitat
 - Threatened or endangered species
 - Wetlands (location, size, classification)
- Forests/Privately-Owned
 - Location
 - Species
 - Size
 - Production
 - Erosion
- Rangeland
 - Location
 - Species
 - Condition
 - Yield
- Cropland
 - Crop yields
 - Costs
 - Conservation measures
- Land Use Changes
 - Location
 - Extent, type
 - Trends
- Surface Water
 - Location
 - Levels/Flows
 - Quality
 - Runoff
 - Supply and storage
- Groundwater
 - Location
 - Aquifer
 - Water availability
 - Quality
 - Supply and storage
- Marine Estuarial Data
 - Location
 - Species
 - Habitat
- Geological Features
 - Surface
 - Subsurface
 - Exploration/extraction
- Terrain/Topography
 - Floodplain/Flood prone
 - Slope/aspect
- Climatological Data
 - Temperature
 - Precipitation
 - Wind data
 - Evapotranspiration
 - Radiation
- Demography
 - Social aspects
 - Economic aspects
- Natural/Hammade Disasters
 - Location
 - Type
 - Extent

NAME: _____ TITLE: _____

AGENCY: _____ TELEPHONE: _____

ADDRESS: _____

1. NAME OF REPOSITORY: _____

2. SUBJECT MATTER INCLUDED: _____

(OVER)

3. GEOGRAPHIC COVERAGE: _____

4. WHEN WAS REPOSITORY INITIATED? _____ (year)

WHEN WAS IT LAST UPDATED? _____ (month/year)

5. IS WRITTEN INFORMATION AVAILABLE?

YES NO (Please send if available)

6. THE REPOSITORY IS: AUTOMATED NONAUTOMATED

7. IF AUTOMATED, THE COMPUTER IS MAINTAINED:

In-house (stand-alone computer system)

At a state data coordinating center (Name: _____
_____)

At a university (Name: _____
_____)

Other (Please specify: _____
_____)

8. IF AUTOMATED, PLEASE IDENTIFY:

COMPUTER VENDOR, MODEL: _____

PROGRAMMING LANGUAGE(S) OF ON-LINE SYSTEM: _____

9. IF AUTOMATED, DOES YOUR AGENCY SHARE, OR WOULD YOUR AGENCY CONSIDER SHARING,
DATA WITH OTHER AGENCIES THROUGH AN ON-LINE COMMUNICATIONS LINK?

YES NO

* * * * *

CAN YOU PROVIDE NAMES OF INDIVIDUALS WHO WOULD BE ABLE TO IDENTIFY OTHER DATA
BASES IN THE STATE?

NAME: _____ NAME: _____

AGENCY: _____ AGENCY: _____

ADDRESS: _____ ADDRESS: _____

TELEPHONE: _____ TELEPHONE: _____

* * * THANK YOU FOR YOUR HELP * * *

Appendix 2
FOLLOW-UP SURVEY

SURVEY

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INVENTORY OF STATE AND SUB-STATE COMPUTER-BASED NATURAL RESOURCES REPOSITORIES

The purpose of this questionnaire is to obtain descriptions of natural resources and related data bases in your state. Instructions for completing the survey are attached (tan paper). If you have any questions or need clarification regarding any aspect of this form, please contact:

Loyola M. Caron
University of Kansas Space Technology Center
Kansas Applied Remote Sensing (KARS) Program
2291 Irving Hill Drive
Lawrence, Kansas 66045-2969

Telephone: (913) 864-4775

NAME(S) OF DATA BASE(S): _____

QUESTIONNAIRE COMPLETED BY:

NAME: _____

TITLE: _____ TELEPHONE: _____

ADDRESS: _____

PART I — DATA BASE CONTACTS/FACILITIES

1. OTHER CONTACTS (Please complete all that apply -- in-house only):

• ADMINISTRATIVE HEAD: _____

TITLE: _____ TELEPHONE: _____

• USER SERVICES AND PRODUCTS: _____

TITLE: _____ TELEPHONE: _____

• COMPUTER OPERATIONS: _____

TITLE: _____ TELEPHONE: _____

2. DOCUMENTATION: Do you have any written documentation of your data base(s)/information system? (Please send a copy of any available materials if you have not previously done so.)

Yes, hardware

Yes, data encoding format/procedure

Yes, software

Yes, data type

Yes, data structure

Yes, general information

Yes, data assessment procedures

Yes, newsletter

No

3. USER FEES: Are fees charged by your office for providing data from this information system?

Yes, fees charged for all products and services according to a fee schedule

Yes, fees charged on a cost recovery basis

Yes, fees charged for products only

No, products and services available at no charge

No policy established

Other (Please specify: _____)

(Over)

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PART I (Continued)

4. **COMPUTER FACILITIES:** Which of the following describes your computer facilities? (Check all that apply.)

- Own or rent and operate own computer
- Use central government computer center
- Use another department's computer (Please specify: _____)

5. The information system operates in which of the following modes?

- Batch
- Interactive

6. Would you describe your system as a **GEOGRAPHIC INFORMATION SYSTEM** (i.e., components can be spatially related so that multiple information types can be registered)?

- Yes
- No

Partially (Please explain: _____)

7. COMPUTER(S)

Microcomputer (make and model: _____)

Mini/Supermini (make and model: _____)

Main Frame (make and model: _____)

Other (Please specify make and model: _____)

Please answer questions 8 - 11 only if your office owns or rents and operates its own computer and can therefore summarize these features for the entire system.

8. **OPERATING SYSTEM:** _____

9. **SYSTEM CAPACITY:**

Main memory (bytes): _____

Disc storage (bytes): _____

Simultaneous users supported: _____

10. **PROGRAMMING LANGUAGES USED** (Please estimate percentage of lines of all code):

Fortran (% _____) Pascal (% _____)

Assembler (% _____) C (% _____)

BASIC (% _____) COBOL (% _____)

Other (Please specify: _____)

11. **SPECIALIZED SOFTWARE** used for system operation includes:

Mapping/plotting package(s): _____

Image processing: _____

Data base management system: _____

Statistical package(s): _____

Others: _____

Others: _____

12. Does your office maintain any of the following devices in-house?

DISPLAYS

Monochrome graphics CRT (How many? _____) Color image display (How many? _____)

Color (CAD/CAM, business) graphics CRT (How many? _____)

DIGITIZERS

Mechanical (How many? _____) Tablet-free cursor (How many? _____)

Line following (How many? _____) Scanning (How many? _____)

Other (Please specify: _____)

HARD-COPY GRAPHICS/TERMINALS

Line printer (character graphics) Electrostatic plotter

Dot matrix printer with graphics Small, cabled pen plotter

Color dot matrix printer with graphics Drum pen plotter

Color ink-jet Large or precision flatbed pen plotter

Laser film recorder Hard copy terminal (How many? _____)

Other (Please specify: _____)

PART II - DESCRIPTION OF DATA CATEGORIES

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**IMPORTANT: PLEASE COMPLETE ONE OF THESE FORMS (PART II) FOR EACH MAJOR DATA CATEGORY CONTAINED WITHIN YOUR REPOSITORY.

INSTRUCTIONS:

- (1) Circle one data category (e.g., CLIMATE/WEATHER) contained within your repository from those listed below. If your repository contains data on a topic not listed, or not properly identified, feel free to create your own category and identify it under "OTHER CATEGORY".
- (2) Check all data types that are included in the category which you have circled (e.g., Rainfall, Wind, Temperature). If your data category contains data types other than those listed beneath the category name in this list, please list those data types in the box below ("OTHER DATA TYPES").
- (3) Identify the name of the data base/repository in which this data category and associated data types can be found.

<ul style="list-style-type: none"> • CLIMATE/WEATHER <ul style="list-style-type: none"> <input type="checkbox"/> Rainfall <input type="checkbox"/> Wind <input type="checkbox"/> Exposure <input type="checkbox"/> Evapotranspiration <input type="checkbox"/> Temperature <input type="checkbox"/> Snowfall/snow depth <input type="checkbox"/> Solar radiation <input type="checkbox"/> Natural disasters • DEMOGRAPHY <ul style="list-style-type: none"> <input type="checkbox"/> Populations <input type="checkbox"/> Social aspects <input type="checkbox"/> Economic aspects • ENERGY <ul style="list-style-type: none"> <input type="checkbox"/> Resources - coal/ lignite <input type="checkbox"/> Resources - natural gas <input type="checkbox"/> Resources - oil <input type="checkbox"/> Resources - hydro- electric <input type="checkbox"/> Ownership <input type="checkbox"/> Production <input type="checkbox"/> Conversion <input type="checkbox"/> Transmission • ENVIRONMENTAL QUALITY <ul style="list-style-type: none"> <input type="checkbox"/> Air quality <input type="checkbox"/> Water quality <input type="checkbox"/> Point pollution <input type="checkbox"/> Non-point pollution <input type="checkbox"/> Hazardous wastes 	<ul style="list-style-type: none"> • GEOLOGY <ul style="list-style-type: none"> <input type="checkbox"/> Physiography <input type="checkbox"/> Surficial geology <input type="checkbox"/> Bedrock geology <input type="checkbox"/> Exploration/extraction • HYDROLOGY - GROUNDWATER <ul style="list-style-type: none"> <input type="checkbox"/> Quantity <input type="checkbox"/> Quality <input type="checkbox"/> Recharge <input type="checkbox"/> Discharge/pumpage <input type="checkbox"/> Well location <input type="checkbox"/> Water rights • HYDROLOGY - SURFACE <ul style="list-style-type: none"> <input type="checkbox"/> Discharge/volume/stage <input type="checkbox"/> Quality <input type="checkbox"/> Water body type <input type="checkbox"/> Supply and storage <input type="checkbox"/> Watershed boundaries <input type="checkbox"/> Flooding <input type="checkbox"/> Floodplains <input type="checkbox"/> Flood prone areas <input type="checkbox"/> Stream orders <input type="checkbox"/> Water rights • LAND COVER <ul style="list-style-type: none"> <input type="checkbox"/> Barren land <input type="checkbox"/> Forest land <input type="checkbox"/> Perennial/ice & snow <input type="checkbox"/> Rangeland <input type="checkbox"/> Water <input type="checkbox"/> Wetlands <input type="checkbox"/> Esquaries <input type="checkbox"/> Cropland <input type="checkbox"/> Pasture <input type="checkbox"/> Urban/built-up 	<ul style="list-style-type: none"> • LAND USE (RESOURCES) <ul style="list-style-type: none"> <input type="checkbox"/> Timber <input type="checkbox"/> Mineral extraction/ energy production <input type="checkbox"/> Water use <input type="checkbox"/> Cropland <input type="checkbox"/> Livestock production <input type="checkbox"/> Transportation <input type="checkbox"/> Urban/built-up <input type="checkbox"/> Recreation <input type="checkbox"/> Parks <input type="checkbox"/> Unique areas <input type="checkbox"/> Cultural areas <ul style="list-style-type: none"> - Historical - Archaeological - Paleontological <input type="checkbox"/> Ownership • SOILS DATA <ul style="list-style-type: none"> <input type="checkbox"/> Type <input type="checkbox"/> Series <input type="checkbox"/> Association <input type="checkbox"/> Engineering characteristics <input type="checkbox"/> Capability class <input type="checkbox"/> Productivity <input type="checkbox"/> Erosion <input type="checkbox"/> Conservation measures 	<ul style="list-style-type: none"> • TOPOGRAPHY <ul style="list-style-type: none"> <input type="checkbox"/> Elevation <input type="checkbox"/> Slope <input type="checkbox"/> Aspect <input type="checkbox"/> Relief • VEGETATION <ul style="list-style-type: none"> <input type="checkbox"/> Species <input type="checkbox"/> Communities <input type="checkbox"/> Quality/condition <input type="checkbox"/> Biomass/volume <input type="checkbox"/> Succession <input type="checkbox"/> Age <input type="checkbox"/> Rare and endangered • WILDLIFE <ul style="list-style-type: none"> <input type="checkbox"/> Game - mammals <input type="checkbox"/> Game - birds <input type="checkbox"/> Game - fish <input type="checkbox"/> Game - other <input type="checkbox"/> Non-game - mammals <input type="checkbox"/> Non-game - birds <input type="checkbox"/> Non-game - fish <input type="checkbox"/> Non-game - marine/ estuarial <input type="checkbox"/> Non-game - reptiles/ amphibians <input type="checkbox"/> Non-game - other <input type="checkbox"/> Quantity (populations) <input type="checkbox"/> Management <input type="checkbox"/> Habitat <input type="checkbox"/> Threatened and endangered
OTHER DATA TYPES (Itemize for category circled above): <hr/> <hr/> <hr/>			

THESE DATA ARE CONTAINED WITHIN (NAME OF DATA BASE/REPOSITORY): _____

1. GEOGRAPHIC COVERAGE. What is the extent of the geographic coverage in this data category? (Please sketch this area on the map, if necessary.)

Watershed (Name: _____)

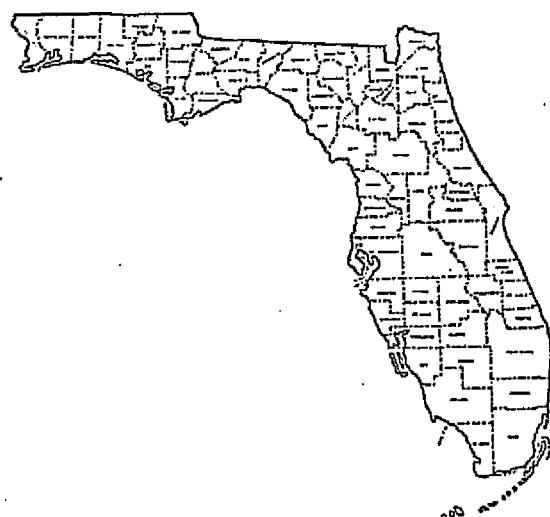
Resource management district(s) (Name: _____)

Special project area (Name: _____)

Regional (an area encompassing several counties, e.g., the area covered by a regional planning district or conservation district).

Statewide

Other (Please specify: _____)



(Over)

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2. GEOGRAPHIC REFERENCE. How are these data referenced geographically? (Check all that apply.)

- Latitude/longitude
- Universal Transverse Mercator (UTM)
- Public Land Survey (township/range/section)
- State Plane Coordinates
- Ad hoc grid, unreferenced (i.e., arbitrary X, Y)
- Not geographically referenced
- Other (Please specify: _____)

7. DATA SOURCES. If the data are primary, what sources were used to obtain the data? (Check all that apply.)

- Historical records
- Published surveys and maps
- Field survey
- Telephone/mail surveys
- Interpretation of other data within the system/data base
- Other (Please specify: _____)
- Laboratory analysis
- Aerial photography
- Landsat
- Other remote sensing data
- Unknown

3. RESOLUTION. To what minimum level are the data aggregated in this data category? (Check all that apply, if different from one data type to the next.)

- By watershed or river basin 40 acres
- By ownership unit 10 acres
- By management unit 2-5 acres
- By county 1 acre
- By township Site specific
- 640 acres (section, 1 square mile) 10,000 m² (UTM cell)
- 160 acres (1/4 section) 500-meter cell
- Other (Please specify: _____)
- Hectares

B(a) RELIABILITY. A subjective assessment of the reliability of the data, taking into account collection methods, resolution, and other variables, prior to data base entry.

- Highly reliable Low reliability
- Moderately reliable Unknown
- (b) By what method is this reliability determined?**
- Random field check Unknown
- Expert opinion
- Other (Please specify: _____)

4. DATA STORAGE FORMAT. In what format are the data stored? (Check all that apply.)

- Grid Coordinate point
- Polygon Tabular
- Arc/node
- Other (Please specify: _____)

9(a) UPDATING FREQUENCY. How often are the source data updated? (Check all that apply.)

- Continuously Annually
- Daily Biennially
- Weekly Every 5 years
- Monthly Every 10 years
- Other (Please specify: _____)

(b) DATE LAST UPDATED: _____

10. CONFIDENTIALITY. Are any of the data in this category subject to restricted access?

- Yes (Please explain: _____)
- No

11. CLASSIFICATION SCHEME EMPLOYED. If applicable (e.g., Anderson's classification for land cover derived from remote sensing data or National Wetlands Classification). If classification was developed in-house, please attach a copy.

12. Are any of the data in this category routinely supplied to a repository of a federal agency (e.g., NADEX, CRIB, STORET)?

- Yes (Name of agency/repository: _____)
- No

6. PRIMARY/SECONDARY DATA. Are the source data primary (i.e., collected by your staff or by someone on your behalf), secondary (i.e., collected by another agency), or a combination of both? (Check all that apply.)

- Primary
- Secondary, collected by (name of agency): _____
- Unknown

INSTRUCTIONS

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PART I - DATA BASE CONTACTS/FACILITIES

Part I is included so that an overview of contacts, computer hardware, software, and peripheral devices can be obtained. Spaces are provided for listing individuals having special responsibilities with respect to coordination of the data base(s), dissemination of information, and computer operations. Please provide names, titles and phone numbers (if different from your number) for these individuals, as appropriate.

Complete questions 8 - 11 (screened inset) only if your office owns (or rents) and operates a computer--i.e., only if your office is in a position to provide comprehensive details on the system as a whole. If your computer facilities are located at another site, skip this portion of the survey, and proceed to question 12.

PART II - DATA BASE CONTACTS/FACILITIES

The remainder of the survey deals explicitly with the information contained in your data base/repository. The intent is to survey the data, not the organizational or hierarchical structures of the data base, which vary from one repository to the next.

It will be necessary to complete one form (Part II) for each major category of data in your data base. Also, if data on one category (e.g., Land Cover) are contained in more than one data base, a separate Part II form must be completed for each repository.

A list of major data categories is included in Part II of the survey to assist you in identifying broad data cate-

gories in your data base. Several data types are listed within each data category. If your data base/repository contains data not included or properly represented on this list, FEEL FREE to create new data categories or data types in the spaces indicated.

For example, wildlife may not be of much importance within your data base, but perhaps you have information about the species and populations of animals within your Forest Resources Data Base. The header at the beginning of Part II may be filled out to reflect this lesser significance of wildlife, as well as the importance of forestry, as follows:

INSTRUCTIONS:

- (1) Circle one data category (e.g., CLIMATE/WEATHER) contained within your repository from those listed below. If your repository contains data on a topic not listed below, or not properly identified, feel free to create your own category and identify it under "OTHER CATEGORY."
- (2) Check all data types that are included in the category which you have circled (e.g., Rainfall, Wind, Temperature). If your data category contains data types other than those listed beneath the category name in this list, please itemize those data types in the box below ("OTHER DATA TYPES").
- (3) Identify the name of the data base/repository in which this data category and associated data types can be found.

<ul style="list-style-type: none"> • CLIMATE/WEATHER <ul style="list-style-type: none"> <input type="checkbox"/> Rainfall <input type="checkbox"/> Wind <input type="checkbox"/> Exposure <input type="checkbox"/> Evapotranspiration <input type="checkbox"/> Temperature <input type="checkbox"/> Snowfall/snow depth <input type="checkbox"/> Solar radiation <input type="checkbox"/> Natural disasters • DEMOGRAPHY <ul style="list-style-type: none"> <input type="checkbox"/> Populations <input type="checkbox"/> Social aspects <input type="checkbox"/> Economic aspects • ENERGY <ul style="list-style-type: none"> <input type="checkbox"/> Resources - coal/lignite <input type="checkbox"/> Resources - natural gas <input type="checkbox"/> Resources - oil <input type="checkbox"/> Resources - hydro-electric <input type="checkbox"/> Ownership <input type="checkbox"/> Production <input type="checkbox"/> Conversion <input type="checkbox"/> Transmission • ENVIRONMENTAL QUALITY <ul style="list-style-type: none"> <input type="checkbox"/> Air quality <input type="checkbox"/> Water quality <input type="checkbox"/> Point pollution <input type="checkbox"/> Non-point pollution <input type="checkbox"/> Hazardous wastes 	<ul style="list-style-type: none"> • GEOLOGY <ul style="list-style-type: none"> <input type="checkbox"/> Physiography <input type="checkbox"/> Surficial geology <input type="checkbox"/> Bedrock geology <input type="checkbox"/> Exploration/extraction • HYDROLOGY - GROUNDWATER <ul style="list-style-type: none"> <input type="checkbox"/> Quantity <input type="checkbox"/> Quality <input type="checkbox"/> Recharge <input type="checkbox"/> Discharge/pumpage <input type="checkbox"/> Well location <input type="checkbox"/> Water rights • HYDROLOGY - SURFACE <ul style="list-style-type: none"> <input type="checkbox"/> Discharge/volume/stage <input type="checkbox"/> Quality <input type="checkbox"/> Water body type <input type="checkbox"/> Supply and storage <input type="checkbox"/> Watershed boundaries <input type="checkbox"/> Flooding <input type="checkbox"/> Floodplains <input type="checkbox"/> Flood prone areas <input type="checkbox"/> Stream orders <input type="checkbox"/> Water rights • LAND COVER <ul style="list-style-type: none"> <input type="checkbox"/> Barren land <input type="checkbox"/> Forest land <input type="checkbox"/> Perennial ice & snow <input type="checkbox"/> Rangeland <input type="checkbox"/> Water <input type="checkbox"/> Wetlands <input type="checkbox"/> Estuaries <input type="checkbox"/> Cropland <input type="checkbox"/> Pasture <input type="checkbox"/> Urban/built-up 	<ul style="list-style-type: none"> • LAND USE (RESOURCES) <ul style="list-style-type: none"> <input type="checkbox"/> Timber <input type="checkbox"/> Mineral extraction/energy production <input type="checkbox"/> Water use <input type="checkbox"/> Cropland <input type="checkbox"/> Livestock production <input type="checkbox"/> Transportation <input type="checkbox"/> Urban/built-up <input type="checkbox"/> Recreation <input type="checkbox"/> Parks <input type="checkbox"/> Unique areas <input type="checkbox"/> Cultural areas <ul style="list-style-type: none"> - Historical - Archaeological - Paleontological <input type="checkbox"/> Ownership • TOPOGRAPHY <ul style="list-style-type: none"> <input type="checkbox"/> Elevation <input type="checkbox"/> Slope <input type="checkbox"/> Aspect <input type="checkbox"/> Relief • VEGETATION <ul style="list-style-type: none"> <input type="checkbox"/> Species <input type="checkbox"/> Communities <input type="checkbox"/> Quality/condition <input type="checkbox"/> Biomass/volume <input type="checkbox"/> Succession <input type="checkbox"/> Age <input type="checkbox"/> Rare and endangered • WILDLIFE <ul style="list-style-type: none"> <input type="checkbox"/> Game - mammals <input type="checkbox"/> Game - birds <input type="checkbox"/> Game - fish <input type="checkbox"/> Game - other <input type="checkbox"/> Non-game - mammals <input type="checkbox"/> Non-game - birds <input type="checkbox"/> Non-game - fish <input type="checkbox"/> Non-game - marine/estuarial <input type="checkbox"/> Non-game - reptiles/amphibians <input type="checkbox"/> Non-game - other <input type="checkbox"/> Quantity (populations) <input type="checkbox"/> Management <input type="checkbox"/> Habitat <input type="checkbox"/> Threatened and endangered 						
<p>OTHER DATA TYPES (itemize for category circled above):</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding-bottom: 5px;"> <input type="text" value="Age"/> </td> <td style="width: 33%; text-align: center; padding-bottom: 5px;"> <input type="text" value="Species"/> </td> <td style="width: 33%; text-align: center; padding-bottom: 5px;"> <input type="text" value="Volume"/> </td> </tr> <tr> <td style="width: 33%; text-align: center; padding-bottom: 5px;"> <input type="text" value="Management"/> </td> <td style="width: 33%; text-align: center; padding-bottom: 5px;"> <input type="text" value="Wildlife"/> </td> <td style="width: 33%; text-align: center; padding-bottom: 5px;"> <input type="text"/> </td> </tr> </table>			<input type="text" value="Age"/>	<input type="text" value="Species"/>	<input type="text" value="Volume"/>	<input type="text" value="Management"/>	<input type="text" value="Wildlife"/>	<input type="text"/>
<input type="text" value="Age"/>	<input type="text" value="Species"/>	<input type="text" value="Volume"/>						
<input type="text" value="Management"/>	<input type="text" value="Wildlife"/>	<input type="text"/>						
<p>THESE DATA ARE CONTAINED WITHIN (NAME OF DATA BASE/REPOSITORY): <i>Forest Resources Data Base</i></p>								

The questions on Part II of the survey form are designed to characterize each major data category within your data base. It will probably be necessary to generalize this information for each category, or to select the answer which represents the "best fit."

Certain features, however, vary drastically from one type of data to the next (e.g., geographic coverage, resolution). If the characteristics of some data types cannot be generalized with the others, you may prefer to complete a separate survey form for those data types; or, alternatively, you might simply note major discrepancies in the margins of the survey.

For example, in the data category Land Use, cultural areas may be entered into the data base on a site specific basis, whereas parks may be aggregated to 40-acre cells. This difference in resolution could be reflected in any of the following ways:

- A separate survey form (Part II) could be completed for each data type (i.e., cultural areas and parks);
- Both site specific and 40 acres could be checked on the survey, and appropriate annotations made in the margin to indicate which type of resolution applies to cultural areas and parks; or
- If the data on cultural sites is very limited, you may choose to generalize the response by checking 40 acres on the survey, to reflect the resolution of parks which comprise a much greater portion of the data category.

PLEASE FEEL FREE to include published materials regarding the contents of your data base.

APPENDIX 3
STANDARD ABBREVIATIONS
FOR STATE NAMES

Alabama	AL	Nebraska	NE
Alaska	AK	Nevada	NV
Arizona	AZ	New Hampshire	NH
Arkansas	AR	New Jersey	NJ
California	CA	New Mexico	NM
Colorado	CO	New York	NY
Connecticut	CT	North Carolina	NC
Delaware	DE	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Puerto Rico	PR
Indiana	IN	Rhode Island	RI
Iowa	IA	South Carolina	SC
Kansas	KS	South Dakota	SD
Kentucky	KY	Tennessee	TN
Louisiana	LA	Texas	TX
Maine	ME	U.S. Virgin Islands	VI
Maryland	MD	Utah	UT
Massachusetts	MA	Vermont	VT
Michigan	MI	Virginia	VA
Minnesota	MN	Washington	WA
Mississippi	MS	West Virginia	WV
Missouri	MO	Wisconsin	WI
Montana	MT	Wyoming	WY

SELF-SHADOWING OF ORBITING TRUSSES

By

Jack Mahaney¹ and Earl Thornton²

SUMMARY

Purpose - Determine shadowing reductions on heating of orbiting trusses

Scope - Determination of heating rates with slender member shadowing effects included

- Thermal response of shadowed member

Analysis Approach

1. Determine shadowing
2. Heating analysis
3. Thermal analysis
4. Structural analysis

Ques The approach used to determine ~~the~~

¹ Graduate Assistant, Department of Mechanical Engineering and Mechanics, Old Dominion University, Norfolk, Virginia 23508.

² Associate Professor, Department of Mechanical Engineering and Mechanics, Old Dominion University, Norfolk, Virginia 23508.

Appendix 4
DATA BASE DESCRIPTIONS

CODE :AK001-01

STATE :AK
 DATA BASE NAME :AK Land and Resource System
 DATA BASE ACRONYM :ALARIS
 SUBJECT COVERAGE :Land management, water rights, surface water, groundwater, dams, recreation, minerals, energy, ownership, forestry, topography, land assessment
 GEOGRAPHIC COVERAGE :State-owned lands in Alaska
 STATUS :The AK Department of Natural Resources is responsible for acquiring title to and subsequently planning, managing and allocating natural resource use on lands owned by the State of Alaska (including 104.75 million acres selected under the Statehood Act, some 60 to 70 million acres of offshore lands, and as much as 10 million acres of lands beneath navigable rivers and lakes). Its planning and resource management authorities cover timber, materials, grazing lands, agricultural lands, wildlife habitat (but not wildlife), recreational resources, sites for residential, commercial or industrial use, transportation and utility rights-of-way, locatable minerals, oil and gas, coal, geothermal resources, and other leasable minerals.

 In addition, the Department has certain regulatory powers applicable without regard to land ownership: water use allocation statewide; zoning authority in the unorganized borough; wildfire control responsibilities throughout Alaska; and the statewide regulation of logging operations, coal mining and geothermal resources.

 The Department has 40 "computer systems" available for its use. Several of these "systems" are various software packages acquired for geoprocessing and other functions; others are used for administrative/accounting purposes. The Land Administration System (LAS) is a rapidly growing departmental data base which is hierarchically the system under which several subsystems operate.

 In the following summaries, the "name" of the significant system can be found in quotation marks, following the applicable data category.

AGENCY RESPONDENT :AK Department of Natural Resources
 :Russell R. Cunningham, Jr., Natural Resource Manager
 Division of Land and Water Management
 AK Department of Natural Resources
 555 Cordova Street
 Pouch 7-005
 Anchorage, AK 99510
 Telephone: 907-276-2653
 OTHER CONTACTS :Doug Mutter, Division of Technical Services
 :David Wallingford, Assistant State Forester
 Merlin Wibbenmeyer, Natural Resource Manager

COMPUTER FACILITIES

COMPUTER(S) :IBM 3031
 IBM 4341
 IBM 3300 (two)
 DG ECLIPSE NV8000
 DG ECLIPSE S/250
 IBM Word Processor (nine)
 IBM Composer
 HP 85 (two)
 HP 250
 WANG (three)
 WANG 25 II (seven)
 WANG OIS 140-1 (sixteen stations)
 NICOM 2001 (two)
 NICOM 2002 (three)
 IBM PC
 IBM OS6/450 WP (two)
 IBM OS6/442 WP
 LAMIER (two)
 IBM DISPLAYWRITER
 CPT 6100
 CPT 8100
 COMMODORE
 WANG SYSTEM 30 (three)
 DEC VAX 11/780
 RESIDENCE :In-house; Anchorage Data Center and Juneau Data Center, AK Department of Administration (miniframe and IBM 3300 systems)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
 COBOL
 SPECIALIZED SOFTWARE :COMARC Planning Information System
 DNR Geoprocessing Software (custom)
 ESRI GRID/GRIPS System
 MOSS (Map Overlay and Statistical System)
 SURFACE II
 INFORMAP
 PERIPHERAL DEVICES :IBM 327x CRT terminals, other text CRT terminals, dial-up terminals, terminal printers, off-line data keying units

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land management -
 "Land and Case Monitoring" - case file data and township data, location, acreage, ownership, classifications
 COMMENTS :Key users: all DNR
 The system is planned as a generalized on-line interactive

DATA CATEGORY NAME	DATA CATEGORY NAME
	computer software system. This system will allow the offices of the DNR to add and display information concerning individual cases within the department/application area as well as case status and activities relating to physical areas of land. To be operational by July 1982. This system is an LAS subsystem.
DATA CATEGORY NAME	DATA CATEGORY NAME
COMMENTS	:Water rights - "Water Rights System" - use of state water: ABL number, case type, customer data location, water data case, quantity, source, etc. "Water Management System" - water rights descriptive information :Key users: Land and Water The function of the Water Rights system is to maintain data related to the use of state water (water rights, use privileges, etc.). This system is to be replaced by LAS Water Management System The Water Management System provides for maintenance, inquiry, and reporting of water management data. This system is an LAS subsystem.
DATA CATEGORY NAME	DATA CATEGORY NAME
COMMENTS	:Surface water - "Water Management Plan" - water rights descriptive information, dam inventory, water use reports, customer identification, case identification, location and type of use :Key users: Land and Water This system provides for maintenance, inquiry, and reporting of water management data. (Status 4/19/82: in design and programming). This is an LAS subsystem.
DATA CATEGORY NAME	DATA CATEGORY NAME
COMMENTS	:Groundwater - "Water Management System" - well inventory, water rights descriptive information, water use reports :Key users: Land and Water This system provides for maintenance, inquiry, and reporting of water management data. (Status 4/19/82: in design and programming). This is an LAS subsystem.
DATA CATEGORY NAME	DATA CATEGORY NAME
COMMENTS	:Dams - "Water Management System" - dam inventory :Key users: Land and Water This system provides for maintenance, inquiry, and reporting of water management data. (Status 4/19/82: in design and programming). This is an LAS subsystem.
DATA CATEGORY NAME	DATA CATEGORY NAME
COMMENTS	:Recreation - "Visitor Count Report Subsystem" - dates, facilities, weather conditions, events and visitor count "Alaska Public Survey Subsystem" - sampling data to reflect recreation use, natural resources use, perceived recreation needs (There are 3000 samples in the data base, sampling was completed in 1979 and should in a general way reflect accurately recreation availability and needs in to the mid 80's) :Key user: Parks The Visitor Count Report Subsystem is intended to give accurate estimates of visitor use in the state parks. Data is gathered by field staff. These counts are collected at the district level and then monthly are sent by the district of State Park Headquarters. The data is then keyed to floppy by a private contractor. TAS staff then loads this data to tape and runs a COBOL program which generates estimates of total visitor use by site, district, and statewide. This system is currently inactive (4/19/82). The AK Public Survey Subsystem provides the planning section with base line data to evaluate recreation needs with subregion, region and on a statewide bases. The statistical reports provide the basis for planning documents at the Division of Parks.
DATA CATEGORY NAME	DATA CATEGORY NAME
COMMENTS	:Minerals - "Mine File" - claim locations, minerals, activity and owner name :Printed reports and cross-reference indexes on microfiche :Computer files are updated monthly Indexes are produced monthly :Key users: Geology and Geophysical Surveys This system's function includes maintaining and retrieving information about registered mining claims in Alaska. The main function of the system is to provide state and federal agencies, corporations and individuals information for their use in mineral research. This system may possibly be replaced by LAS.
DATA CATEGORY NAME	DATA CATEGORY NAME
COMMENTS	:Energy - "Oil and Gas Leasing" - parcel data and statistics of oil and gas reserves by tract applicants and bids "Oil/Gas Royalty Accounting (OGARS)" - leases, oil and gas volume, current prices, owners and purchasers :Key users: Minerals and Energy Management The Oil and Gas Leasing system is an oil and gas leasing system for record keeping on reporting processes related to lease sales only. Supplementary cross index files and stat-
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<p>istics are produced pertaining to each tract. Produces a listing of winners after sale.</p> <p>Key user: Oil and Gas Royalty Accounting Unit (DNR) The Oil/Gas Royalty Accounting system calculates royalty in value, a cash payment by the owner of a lease based on the royalty percent of the value of the oil and gas produced. Calculates royalty in kind, a percent of the actual oil and gas production delivered to the state as royalty and, in turn, sold by the state to purchasers.</p>		<p>EROS field office where an inventory of such data is maintained. Any topographic data could be processed on the geoprocessor to produce VIIEWIT input data. To date (4/19/92), has been operated only by contract personnel on behalf of D.L.N.</p>	
DATA CATEGORY NAME	:Ownership - "Land Records System" - consists of two files: 1. the case file pertaining to serial page data ADL number, ownership, class 2. the township file pertaining to the land data land location, classification, ADL number	GEOGRAPHIC COVERAGE	:Land assessment - "Resource Assessment (RAS) - major resources including: agriculture, coal, forestry, hard rock minerals, oil and gas, fisheries, wildlife, land capability; land status data, last maintained 1979-80, includes federal, state, native
OUTPUT PRODUCTS	:Microfiche and ad hoc reports	OUTPUT PRODUCTS	:All lands in Alaska
COMMENTS	:Key user: Technical Services The function is to maintain DNR data related to the current status of land owned by the State of Alaska	COMMENTS	:Major report product is summary for any subset of townships resource values by user-definable land status category :Key users: Policy Res./Land Entitl., Land and Resources Planning The function of this system is to enter, update, compute, selectively retrieve on, list, summarive resource assessment and/or land status summary data. Handles resource data on a (percent of) township or section basis. Much of the data can be and has been converted to geoprocessor. RAS has several functions not available on geoprocessor.
DATA CATEGORY NAME	:Forestry - "Forest Inventory System" - all DNR data related to inventory of forest and timber resources	DOCUMENTATION	:Long-range resource information management plan
GEOGRAPHIC COVERAGE	:Statewide	DATE OF INFORMATION	:6/13/83
DATA STORAGE FORMAT	:Products produced by the system include: (1) a master list of inventoried forest stands with indications of their location, acreages by land classification, stand, ownership, section, township, forest unit, forest working circle, forest district and state; (2) special use sample trees for site, growth and/or form class; (3) computed stand calls; (4) summary count of sample trees measures; (5) average quantity of trees per acre; (6) average volumes per acre; and (7) input proof lists of office generated data	PAPER FILE NUMBER	:AK14
COMMENTS	:Key user: Forestry The forest inventory can maintain an updatable standing inventory of forest resources (renewable and otherwise) on all lands in the state, and provides conveniently organized information and statistics to assist land management policies. Currently, (4/19/82), this system is not being run and all related data is maintained manually by the Forestry staff.	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	
DATA CATEGORY NAME	:Topography - "VIIEWIT" - slope, aspect, view calculations from digital elevation matrix data	ORIGINAL PAGE IS OF POOR QUALITY	
OUTPUT PRODUCTS	:Displays as summaries and line printer maps	AK001-01 (cont.)	
COMMENTS	:Key user: Research & Development Digital elevation matrix data can be obtained from USGS	AK001-01 (cont.)	

CODE :AK002-01

STATE :AK
 DATA BASE NAME :Habitat Assessment Models
 SUBJECT COVERAGE :Wildlife habitat
 GEOGRAPHIC COVERAGE :Susitna Area Plan (a special project area located north of Cook Inlet)

STATUS :The Habitat Division of the AK Department of Fish and Game has developed several data bases on fish and wildlife resources and the human use of fish and wildlife for public information and land use planning. These data bases typically include 1:63,360, 1:250,000 or 1:500,000 scale maps depicting the distribution of seasonal and life function use areas of the fish and wildlife species most important to the public. Since January 1981 the Habitat Division has been developing an automated geographical information system to increase the utility of this mapped information. This data base is one component of the GIS.
 In addition to spatial information, the division prepares reports on the distribution, abundance, life history, habitat requirements, sensitivity to impacts, and human use of selected species. From this information base they develop habitat management guidelines to minimize the impacts of the major types of land and water developments.

AGENCY RESPONDENT :AK Department of Fish and Game
 :Bruce H. Baker, Assistant Director
 :Habitat Division
 :AK Department of Fish and Game
 :PO Box 3-2000

OTHER CONTACTS :Willow van Veldhuisen, Acting Supervisor, Data Management Unit
 :Telephone: 907-465-4105
 :Charlotte Bridges, Systems Manager
 :Telephone: 907-267-2291

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV4000
 RESIDENCE :In-house
 :Also use facilities at AK DNR and USFWS
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :AOS/VS
 SYSTEM CAPACITY :Main memory: 2 MB
 :Disc storage: 192 MB
 :Simultaneous users supported: 10
 LANGUAGE(S) :FORTRAN
 SPECIALIZED SOFTWARE :ESRI GRID

PERIPHERAL DEVICES

ECSS RIM
 TEKTRONIX ICL
 Miscellaneous special purpose in-house software
 :Monochrome graphics CRT's (2), tablet-free cursor digitizer, line printer (character graphics), drum pen plotter, alphanumeric CRT's (8)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - habitat
 GEOGRAPHIC COVERAGE :Susitna Area Plan (Willow, Talkeetna, Oeluga, and Upper Susitna Sub-basins)
 GEOGRAPHIC REFERENCE :Ad hoc grid
 MINIMUM RESOLUTION :10 acres
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, modelling capability, tables, graphics, statistical summaries, computer tape
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 CLASSIFICATION :Regelin's Carrying Capacity Model
 USFWS IEP Model
 SCS Vegetation Classification Model
 ADF&G Species Diversity Model
 COMMENTS :1:63,360 scale
 :Habitat Assessment Models serve as basis for recommendations on land classification and management

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DOCUMENTATION :General information is available
 USER FEES POLICY :No policy has been established, but cooperative agreements exist with other government agencies
 DATE OF INFORMATION :10/18/83
 PAPER FILE NUMBER :AK17

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CODE :AK002-02

STATE :AK
 DATA BASE NAME :Anadromous Waters Catalog
 SUBJECT COVERAGE :Wildlife (stream location, fish)
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :The Habitat Division of the AK Department of Fish and Game has developed several data bases on fish and wildlife resources and the human use of fish and wildlife for public information and land use planning. These data bases typically include 1:63,360, 1:250,000 and 1:500,000 scale maps depicting the distribution of seasonal and life function use areas of the fish and wildlife species most important to the public. Since January 1981 the Habitat Division has been developing an automated geographical information system to increase the utility of this mapped information. This data base is one component of the GIS.
 In addition to spatial information, the Division prepares reports on the distribution, abundance, life history, habitat requirements, sensitivity to impacts, and human use of selected species. From this information base they develop habitat management guidelines to minimize the impacts of the major types of land and water developments.

AGENCY :AK Department of Fish and Game
 RESPONDENT :Bruce H. Baker, Assistant Director

Habitat Division
 AK Department of Fish and Game
 PO Box 3-2000

Juneau, AK 99802

Telephone: 907-465-4105

:Willem van Veldhuisen, Acting Supervisor, Data Management

Unit

Telephone: 907-267-2291

:Charlotte Bridges, Systems Manager

Telephone: 907-267-2291

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV4000
 RESIDENCE :In-house
 Also use facilities at AK DNR and USFWS

OPERATION :Batch and interactive

GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :AOS/VS
 SYSTEM CAPACITY :Main memory: 2 MB
 Disc storage: 192 MB
 Simultaneous users supported: 10

LANGUAGE(S) :FORTRAN

SPECIALIZED SOFTWARE :ESRI GRID

BCS RIM

PERIPHERAL DEVICES :TEKTRONIX ICL
 Miscellaneous special purpose in-house software
 :Monochrome graphics CRT's (2), tablet-free cursor
 digitizer, line printer (character graphics),
 drum pen plotter, alphanumeric CRT's (8)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 game - fish, stream location
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, computer
 tape, tabular listings are published in the Anadro-
 mous Waters Catalog
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate (note - existing data highly reliable, but
 data base is still incomplete)
 UPDATE FREQUENCY :Annual
 CONTENTS :This is a special purpose stream location data base
 used in conjunction with a manual map atlas

=====

DOCUMENTATION :General information is available
 "Catalog of Waters Important for Spawning, Rearing and
 Migration of Anadromous Fishes" (rev. April 1982),
 AK Department of Fish and Game Habitat Division
 USER FEES POLICY :No policy has been established, but cooperative agree-
 ments exist with other government agencies

DATE OF INFORMATION :10/18/83

PAPER FILE NUMBER :AK17

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AK002-02



CODE :AK002-03

STATE :AK
 DATA BASE NAME :Wildlife Distribution/Human Use
 SUBJECT COVERAGE :Wildlife
 GEOGRAPHIC COVERAGE :Bristol Bay Study Area

STATUS :Statewide expansion under consideration
 :This is the wildlife component of a larger natural resource database created in part by other agencies. The Habitat Division of the AK Department of Fish and Game has developed several data bases on fish and wildlife resources and the human use of fish and wildlife for public information and land use planning. These data bases typically include 1:63,360, 1:250,000 and 1:500,000 scale maps depicting the distribution of seasonal and life function to the public. Since January 1981 the Habitat Division has been developing an automated geographical information system to increase the utility of this mapped information. In addition to spatial information, the Division prepares reports on the distribution, abundance, life history, habitat requirements, sensitivity to impacts, and human use of selected species. From this information base they develop habitat management guidelines to minimize the impacts of the major types of land and water developments.

AGENCY RESPONDENT :AK Department of Fish and Game
 :Bruce H. Baker, Assistant Director
 :Habitat Division
 :AK Department of Fish and Game
 :P.O. Box 3-2000
 :Juneau, AK 99802
 :Telephone: 907-465-4105
 OTHER CONTACTS :Willem van Veldhuisen, Acting Supervisor, Data Management Unit
 :Telephone: 907-267-2291
 :Charlotte Bridges, Systems Manager
 :Telephone: 907-267-2291

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV4000
 RESIDENCE :In-house
 :Also use facilities at AK DNR and USFWS
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :AOS/VS
 SYSTEM CAPACITY :Main memory: 2 MB
 :Disc storage: 192 MB
 :Simultaneous users supported: 10
 LANGUAGE(S) :FORTRAN
 SPECIALIZED SOFTWARE :ESRI GRID

PERIPHERAL DEVICES

DCS RIM
 TEKTRONIX IGL
 Miscellaneous special purpose in-house software
 :Monochrome graphics CRT's (2), tablet-free cursor digitizer, line printer (character graphics), drum pen plotter, alphanumeric CRT's (8)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - game - mammals, birds, fish, and other; non-game - mammals, birds, fish, marine/estuarial; threatened and endangered
 GEOGRAPHIC COVERAGE :Bristol Bay Cooperative Management Plan special project area (includes Bristol Bay County and peninsula)
 :Statewide expansion is under consideration
 :Universal Transverse Mercator
 :Ad hoc grid
 MINIMUM RESOLUTION :640 acre cells
 :Point/polygon data varies
 DATA STORAGE FORMAT :Grid, coordinate point, polygon
 OUTPUT PRODUCTS :Maps - variable scale, modelling capability, statistical summaries, composite mapping, computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :No set policy, created 1982
 CLASSIFICATION :In-house

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DOCUMENTATION :"*Bristol Bay Mapping Program GSC-441 Final Report*", Environmental Systems Research Institute, Redlands, CA, May 1983
 USER FEES POLICY :No policy established, but cooperative agreements with other governmental agencies exist
 DATE OF INFORMATION :10/13/83
 PAPER FILE NUMBER :AK17

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AK002-03

CODE :AK003-01

STATE :AK
DATA BASE NAME :NSB Geographic Information System
DATA BASE ACRONYM :NSB GIS
SUBJECT COVERAGE :Natural resource and other map-related features
GEOGRAPHIC COVERAGE :North Slope
STATUS :Under development, expect operational 1984
AGENCY :North Slope Borough Assembly
RESPONDENT :Pat Webb
 c/o North Slope Borough Assembly
 GIS Project
 1101 East Tudor
 Anchorage, AK 99503
 Telephone: 907-562-0440

DATE OF INFORMATION :6/83
PAPER FILE NUMBER :AK18

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 landform

DATA CATEGORY NAME :Surface water -
 waterways

DATA CATEGORY NAME :Land use

DATA CATEGORY NAME :Vegetation

DATA CATEGORY NAME :Wildlife -
 game mammals, habitat, fish spawning grounds, over-
 wintering sites

DATA CATEGORY NAME :Infrastructure -
 building sites, pipelines, roads
GEOGRAPHIC COVERAGE :Barrow and villages

DATA CATEGORY NAME :Land records -
 land ownership, mineral right, legal records
COMMENTS :Part of the Land Records System, to be compatible
 with the GIS
=====

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AK003-01

CODE :AL001-01

STATE :AL
 DATA BASE NAME :AL Resource Information System
 DATA BASE ACRONYM :ARIS
 SUBJECT COVERAGE :Land use/land cover, floodplains, soils, transportation, base data
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :AL Department of Economic and Community Affairs
 RESPONDENT :Walter Stevenson
 AL Resource Information System
 AL Department of Economic and Community Affairs
 Office of State Planning and Federal Programs
 Montgomery, AL 36130
 Telephone: 205-832-3823

COMPUTER FACILITIES

COMPUTER(S) :HP 3000 Model 44
 IBM 3032
 RESIDENCE :in-house (HP 3000 Model 44); Auburn University (IBM 3032)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 11MB
 Disc storage: 750 MB
 Simultaneous users supported: 24
 SPECIALIZED SOFTWARE :ELAS
 ESRI GRID
 AUTOMAP
 PERIPHERAL DEVICES :Medium speed line printer, 60x40 digitizer
 (1/1000th-inch accuracy), 22" electrostatic plotter, Comptal Image Display System

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)
 DATA STORAGE FORMAT :Grid cell

DATA CATEGORY NAME :Floodplains
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)
 DATA STORAGE FORMAT :Grid

DATA CATEGORY NAME :Soils data
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)
 DATA STORAGE FORMAT :Grid cell

DATA CATEGORY NAME :Base data -
 1970 census county divisions, county boundaries, hydrologic regions, minor watersheds
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)
 DATA STORAGE FORMAT :Grid cell

DATA CATEGORY NAME :Topography
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :500-meter cell
 DATA STORAGE FORMAT :Grid cell
 COMMENTS :Data are currently be converted to 250-meter cell resolution

DATA CATEGORY NAME :Transportation
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :250-meter cell (some data at 50 meters)
 DATA STORAGE FORMAT :Grid cell

DOCUMENTATION :"Introduction to ARIS"; no recent descriptive documentation available
 DATE OF INFORMATION :9/13/83
 PAPER FILE NUMBER :AL99

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AL001-01

		CODE :AL002-01	COMMENTS
STATE	:AL		
DATA BASE NAME	:Statewide Digital Data Base		
SUBJECT COVERAGE	:Land cover/land use, boundaries, and base data Includes all digital map data available through USGS		:Data purchased on 9-track tapes from USGS
GEOGRAPHIC COVERAGE	:Statewide	DATA CATEGORY NAME	:Boundaries - counties, townships, property lines, section corners
AGENCY	:AL Power Company	GEOGRAPHIC COVERAGE	:Statewide
RESPONDENT	:Dennis Boston, Engineer AL Power Company GSC Building 7 PO Box 2641 Birmingham, AL 35219 Telephone: 205-664-6109	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator State Plane Coordinates
OTHER CONTACTS	:Roy Teal, Engineer (user services and products) Telephone: 205-664-6100 Lum Loo, Engineer (computer operations) Telephone: 205-664-6111	DATA STORAGE FORMAT	:Coordinate point
		OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, interactive video display capability, computer tape
		DATA SOURCES	:Primary
		LEVEL OF RELIABILITY	:High
		UPDATE FREQUENCY	:Continuous
<u>COMPUTER FACILITIES</u>		DATA CATEGORY NAME	
COMPUTER(S)	:DEC VAX 11/750	GEOGRAPHIC COVERAGE	:Control points - AL Power control points, NGS control points,
RESIDENCE	:In-house	GEOGRAPHIC REFERENCE	:AL By-Products Corp. control points
OPERATION	:Batch and interactive	DATA STORAGE FORMAT	:Statewide
GIS CAPABILITY	:Yes	OUTPUT PRODUCTS	:Universal Transverse Mercator State Plane Coordinates
<u>IN-HOUSE FACILITIES</u>		DATA SOURCES	:Coordinate point
OPERATING SYSTEM	:VMS 3.4	LEVEL OF RELIABILITY	:Maps - variable scale, composite mapping, interactive video display capability, computer tape
SYSTEM CAPACITY	:Main memory: 4.25 Meg Disc storage: 912 Meg Simultaneous users supported: >10	UPDATE FREQUENCY	:Primary and secondary
LANGUAGE(S)	:FORTRAN		:High
SPECIALIZED SOFTWARE	:CWTOURING VOLUMETRICS FORMS Management System DATATRIEVE		:Continuous
PERIPHERAL DEVICES	:Monochrome graphics CRT's (4), tablet-free cursor digitizers (2), color dot matrix printer with graphics, electrostatic plotter, drum pen plotter, alphanumeric CRT's (6)	=====	
<u>DESCRIPTION OF DATA CATEGORIES</u>		USER FEES POLICY	:Products and services available at no charge
DATA CATEGORY NAME	:Land use/land cover	DATE OF INFORMATION	:11/14/83
GEOGRAPHIC COVERAGE	:Statewide	PAPER FILE NUMBER	:AL14
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator State Plane Coordinates		
DATA STORAGE FORMAT	:Polygon, arc/node		
OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, interactive video display capability, computer tape		
DATA SOURCES	:Secondary		
CLASSIFICATION	:USGS		

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CODE :AL003-01

STATE :AL
DATA BASE NAME :RUN WILD
SUBJECT COVERAGE :Wildlife
GEOGRAPHIC COVERAGE :Statewide
STATUS :The Game and Fish Division has a tape copy, print-out, and listing of the RUN WILD data file prepared by the EELUT Team in West Virginia. They do not have this on their computer at the present time since the program will have to be rewritten for available hardware.
AGENCY :AL Game and Fish Division
RESPONDENT :C. E. White, Jr., Assistant Chief, Fisheries Section
Game and Fish Division
AL Department of Conservation and Natural Resources
64 North Union Street
Montgomery, AL 36130

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
species, habitat factors, vegetation, drainage
systems, management information
GEOGRAPHIC COVERAGE :Statewide

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DATE OF INFORMATION :6/6/83
PAPER FILE NUMBER :AL6

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CODE :AR001-01

STATE :AR
DATA BASE NAME :AR Natural Heritage Inventory
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Arkansas and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :AR Natural Heritage Inventory
RESPONDENT :Ken Smith, Coordinator/Zoologist
AR Natural Heritage Inventory
Continental Building, Room 514
100 Main
Little Rock, AR 72201
Telephone: 501-371-1706
OTHER CONTACTS :Donna Etchleson, Data Manager
:Ira Wein, Data Handler
:Bill Poll, Plant Ecologist
:Jeff Rettig
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :ARI

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AR001-01

CODE :AZ001-01

STATE DATA BASE NAME :AZ
 SUBJECT COVERAGE :AZ Vegetation Inventory
 :Vegetation species/association or type (volume can be modelled); statistical acreage tables of vegetation type by any combination of Township/Range/Section, ownership, etc.; crown closure for forests and woodlands

GEOGRAPHIC COVERAGE :All areas of significant state trust and private land in Arizona; some National Forest areas will likely be mapped in the future

AGENCY RESPONDENT :AZ State Land Department
 :Paul A. Tesser, Director
 Computer Resources Division
 AZ State Land Department
 1624 W. Adams St.
 Phoenix, AZ 85007
 Telephone: 602-255-4061

OTHER CONTACTS :Steve Miller, Applications Specialist
 :Clem Henriksen, GIS Programmer
 Bob Miner, Systems Manager

COMPUTER FACILITIES

COMPUTER(S) :PRIME 550
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS, Rev. 18.3
 SYSTEM CAPACITY :Main memory: 1MB
 Disc storage: 300MB
 Simultaneous users supported: 32

LANGUAGE(S) :FORTRAN
 CPL

SPECIALIZED SOFTWARE :ESRI/GIS
 Tektronix ICL
 CCS1-Plot
 DTAP
 ELAS
 LIMAP
 INFO

PERIPHERAL DEVICES :4 monochrome graphics CRTs, color image display, tablet-free cursor digitizer, line printer, dot and color dot matrix printers with graphics, drum pen plotter, 1 hard copy terminal, 25 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -

GEOGRAPHIC COVERAGE
 GEOGRAPHIC REFERENCE
 MINIMUM RESOLUTION
 DATA STORAGE FORMAT
 OUTPUT PRODUCTS

DATA SOURCES
 LEVEL OF RELIABILITY
 UPDATE FREQUENCY
 CLASSIFICATION

DATA CATEGORY NAME
 :Land cover -
 barren land, forest land, rangeland, water, cropland, urban/built-up
 :State trust and private lands in Arizona
 :Universal Transverse Mercator
 Public Land Survey
 :50-meter cell (0.61 acre)
 :Grid, tabular
 :Maps (variable scale, standard product 1:38,000), tables, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 :Primary
 :Moderate
 :Will begin update mode when completed; variable schedule likely, dependant on expected changes
 :"Native Vegetation Communities of Arizona" provides nomenclature for tagging

GEOGRAPHIC COVERAGE
 GEOGRAPHIC REFERENCE
 MINIMUM RESOLUTION
 DATA STORAGE FORMAT
 OUTPUT PRODUCTS

DATA SOURCES
 LEVEL OF RELIABILITY
 UPDATE FREQUENCY

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USER FEES POLICY :Supplies, materials in kind
 DATE OF INFORMATION :6/6/83
 PAPER FILE NUMBER :AZ1

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AZ001-01

CODE :AZ001-02

STATE :AZ
 DATA BASE NAME :Digital Topo Database
 SUBJECT COVERAGE :Topography (elevation); slope and aspect can be computed; can also calculate solar insolation, areas visible from a point, 3-dimensional perspectives, etc.

GEOGRAPHIC COVERAGE :Statewide
 AGENCY :AZ State Land Department
 RESPONDENT :Paul A. Tessar, Director
 Computer Resources Division
 AZ State Land Department
 1624 W. Adams St.
 Phoenix, AZ 85007
 Telephone: 602-255-4061

OTHER CONTACTS :Steve Miller, Applications Specialist
 :Clem Henriksen, GIS Programmer
 Bob Miner, Systems Manager

MINIMUM RESOLUTION :3 arc second-squared cells (approximately 250' x 300'); elevation vertically interpolated to nearest meter
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (variable scale, standard product 1:38,000), computer tape, modelling capability, composite mapping, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate

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USER FEES POLICY :Supplies, materials in kind
 DATE OF INFORMATION :6/6/83
 PAPER FILE NUMBER :AZ1

COMPUTER FACILITIES

COMPUTER(S) :PRIME 550
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS, Rev. 18.3
 SYSTEM CAPACITY :Main memory: 1MB
 Disc storage: 300MB
 Simultaneous users supported: 32
 LANGUAGE(S) :FORTRAN
 CPL
 SPECIALIZED SOFTWARE :ESRI/GIS
 Tektronix IGL
 CCSI-Plot
 DTAP
 ELAS
 LIMAP
 INFO
 PERIPHERAL DEVICES :4 monochrome graphics CRTs, color image display, tablet-free cursor digitizer, line printer, dot and color dot matrix printers with graphics, drum pen plotter, 1 hard copy terminal, 25 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Topography - elevation
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude

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CODE :AZ001-03

STATE	:AZ	MINIMUM RESOLUTION	:Coordinates (in meters) are plus or minus 40', or plus or minus 100', depending on the source
DATA BASE NAME	:Landlines Database	DATA STORAGE FORMAT	:Grid, polygon, arc/node, coordinate point, tubular
SUBJECT COVERAGE	:Section line boundaries	OUTPUT PRODUCTS	:Maps (variable scale), tables, computer tape, modeling capability, statistical summaries, composite mapping, interactive video display capability
GEOGRAPHIC COVERAGE	:Statewide	DATA SOURCES	:Secondary
STATUS	:Under development (4 of 34 one-degree blocks completed)	LEVEL OF RELIABILITY	:High
AGENCY	:AZ State Land Department	COMMENTS	:Attribute data includes Township/Range/Section, survey base, county, centroid coordinates (UTM), and computed acreage; ownership category is being added for Trust Lands statewide, and for other lands included in the AZ Vegetation Inventory data base
RESPONDENT	:Paul A. Tessor, Director Computer Resources Division AZ State Land Department 1624 W. Adams St. Phoenix, AZ 85007 Telephone: 602-255-4061	*****	
OTHER CONTACTS	:Steve Miller, Applications Specialist :Clem Henriksen, GIS Programmer Bob Minor, Systems Manager	USER FEES POLICY	:Supplies, materials in kind
		DATE OF INFORMATION	:6/6/83
		PAPSR FILE NUMBER	:AZ1

COMPUTER FACILITIES

COMPUTER(S)	:PRIME 550
RESIDENCE	:In-house
OPERATION	:Batch and interactive
GIS CAPABILITY	:Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM	:PRIMOS, Rev. 18.3
SYSTEM CAPACITY	:Main memory: 1MB Disc storage: 300MB Simultaneous users supported: 32
LANGUAGE(S)	:FORTRAN CPL
SPECIALIZED SOFTWARE	:ESRI/GIS Tektronix IGL CCSI-Plot DTAP ELAS LIMAP INFO
PERIPHERAL DEVICES	:4 monochrome graphics CRTs, color image display, tablet-free cursor digitizer, line printer, dot and color dot matrix printers with graphics, drum pen plotter, 1 hard copy terminal, 25 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Boundaries ~ section lines
GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator Public Land Survey

CODE :AZ001-04

STATE :AZ
DATA BASE NAME :AZ Land Resource Information System
DATA BASE ACRONYM :ALRIS
SUBJECT COVERAGE :Boundaries
GEOGRAPHIC COVERAGE :Statewide
STATUS :Individual projects dealing with a variety of subject matters will utilize ALRIS capabilities
AGENCY :AZ State Land Department
RESPONDENT :Paul A. Tesser, Director
Computer Resources Division
AZ State Land Department
1624 W. Adams St.
Phoenix, AZ 85007
Telephone: 602-255-4061
OTHER CONTACTS :Steve Miller, Applications Specialist
:Clem Henriksen, GIS Programmer
Bob Miner, Systems Manager

GEOGRAPHIC REFERENCE :Universal Transverse Mercator
MINIMUM RESOLUTION :Points, lines, arcs, polygons, etc., in meters
DATA STORAGE FORMAT :Polygon, arc/node, coordinate point
OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :As needed

USER FEES POLICY :Supplies, materials in kind
DATE OF INFORMATION :6/6/83
PAPER FILE NUMBER :AZ1

COMPUTER FACILITIES

COMPUTER(S) :PRIME 550
RESIDENCE :In-house
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS, Rev. 18.3
SYSTEM CAPACITY :Main memory: 1MB
Disc storage: 300MB
Simultaneous users supported: 32
LANGUAGE(S) :FORTRAN
CPL
SPECIALIZED SOFTWARE :ESRI/GIS
Tektronix IGL
CCSI-Plot
DTAP
ELAS
LIMAP
INFO
PERIPHERAL DEVICES :4 monochrome graphics CRTs, color image display, tablet-free cursor digitizer, line printer, dot and color dot matrix printers with graphics, drum pen plotter, 1 hard copy terminal, 25 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries -
state, counties, census tract, enumerating districts
GEOGRAPHIC COVERAGE :Statewide

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AZ001-04

CODE :AZ002-01

UPDATE FREQUENCY
CONFIDENTIALITY

:Annually

:Data access subject to owner appeals in administrative hearings or district court

CLASSIFICATION

:Highly vegetated (i.e. crops); moderately vegetated (i.e. weeds or natural vegetation); sparsely vegetated (i.e. native desert)

STATE :AZ
 DATA BASE NAME :Landsat Crop Inventory
 SUBJECT COVERAGE :Agriculture
 GEOGRAPHIC COVERAGE :South central Arizona
 AGENCY :AZ Department of Water Resources
 RESPONDENT :Robert Kelly, Remote Sensing Scientist
 AZ Department of Water Resources
 99 East Virginia Avenue
 Phoenix, AZ 85004
 Telephone: 602-255-1566
 OTHER CONTACTS :Frank Secundo, Data Processing Manager
 Telephone: 602-255-1550
 :Wes Sticner, Director
 Telephone: 602-255-1540

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DATE OF INFORMATION :8/30/83
 PAPER FILE NUMBER :AZ5COMPUTER FACILITIES

COMPUTER(S) :MAGNUSUN
 RESIDENCE :In-house
 OPERATION :Batch
 CIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MVS
 SYSTEM CAPACITY :Main memory: 80MB
 Disc storage: 12,000MB
 LANGUAGE(S) :FORTRAN IV
 COBOL
 SPECIALIZED SOFTWARE :VICAR/IBIS
 SPSS
 PERIPHERAL DEVICES :black and white CRT, mechanical digitizer, line printer, drum pen plotter, 3 hard copy terminals, 15 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Agriculture -
 date of crop activities, owner, water rights, crop type, well/water source
 GEOGRAPHIC COVERAGE :South central Arizona (Pinal and Santa Cruz counties, major portions of Gila, Maricopa, and Pima counties, and the western edges of Cochise and Graham counties)
 GEOGRAPHIC REFERENCE :Public Land Survey, converted into grid cells
 Ad hoc grid, unreferenced
 MINIMUM RESOLUTION :Pixel (1.1 acre)
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, composite mapping
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High

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AZ002-01

CODE :AZ003-01

STATE :AZ
 DATA BASE NAME :AZ Natural Heritage Program
 SUBJECT COVERAGE :Natural diversity elements, wildlife
 GEOGRAPHIC COVERAGE :Statewide and borderlands
 AGENCY :AZ Game and Fish Department
 RESPONDENT :Terry B. Johnson, Nongame Branch Supervisor
 AZ Game and Fish Department
 2222 West Greenway Road
 Phoenix, AZ 85023
 Telephone: 602-942-3000

GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific; one square mile; by township; by county; by ownership unit; by watershed or river basin
 DATA STORAGE FORMAT :Polygon; coordinate point
 OUTPUT PRODUCTS :Computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuously
 CONFIDENTIALITY :Data on certain threatened/endangered species are subject to restricted access

COMPUTER FACILITIES

COMPUTER(S) :HP 3000
 RESIDENCE :Arizona Industrial Management Systems, Inc.
 P.O. Box 27822
 Tempe, AZ 85282
 OPERATION :Interactive
 GIS CAPABILITY :Yes

USER FEES POLICY :No policy established
 DATE OF INFORMATION :9/1/83
 PAPER FILE NUMBER :AZ6

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, color ink-jet

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - special animals, special plants, unique geologic features, aquatic types
 GEOGRAPHIC COVERAGE :Statewide and borderlands
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific; one square mile; by township; by county; by ownership unit; by watershed or river basin
 DATA STORAGE FORMAT :Polygon; coordinate point
 OUTPUT PRODUCTS :Computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuously
 CONFIDENTIALITY :Data on certain threatened/endangered species are subject to restricted access
 CLASSIFICATION :In-house plant community classification is an adaptation of Brown-Love-Puse system

DATA CATEGORY NAME :Wildlife - non-game mammals, non-game birds, non-game fish, non-game reptiles/amphibians, habitat, threatened species, endangered species
 GEOGRAPHIC COVERAGE :Statewide and borderlands

CODE :CA001-01

STATE :CA
 DATA BASE NAME :Land use
 SUBJECT COVERAGE :Land use and boundaries
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :CA Department of Water Resources
 RESPONDENT :Glenn B. Sawyer, Chief
 Water Conservation and Use Section
 CA Department of Water Resources
 Resources Building
 1416 9th Street
 P.O. Box 388
 Sacramento, CA 95802
 Telephone: 916-445-6746
 OTHER CONTACTS :William H. Frye, Chief
 Computer Services Division
 Telephone: 916-445-2296

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/70
 NC 68000 on MIDAS system
 CDC CYBER 720

RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :BASIC
 COBOL

SPECIALIZED SOFTWARE :Mizar package

PERIPHERAL DEVICES :MIDAS Processor for Landsat data, color image display, 4 Intergraph digitizers, line printer, dot and color dot matrix printers with graphics, color ink-jet, electrostatic plotter, drum pen plotter, 10 hard copy terminals, 30 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use - cropland, urban/built-up, recreation, cultural areas (historical)

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :County

MINIMUM RESOLUTION :By river basin, by county, 2-5 acres, or site specific

DATA STORAGE FORMAT :Polygon, coordinate point

OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, statistical summaries (acreage), composite mapping, interactive video display capability

DATA SOURCES :Primary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :Every seven years, depending on the area (approximately 1/7 of the state covered each year)

CLASSIFICATION :"Standard Land Use Legend" developed by the CA Department of Water Resources

DATA CATEGORY NAME :Boundaries - state, counties, river basins

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :County

MINIMUM RESOLUTION :By river basin, by county, 2-5 acres, or site specific

DATA STORAGE FORMAT :Polygon, coordinate point

OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, statistical summaries (acreage), composite mapping, interactive video display capability

DATA SOURCES :Primary

LEVEL OF RELIABILITY :High

DOCUMENTATION :Bulletin No. 176, "Land Use in California: An Index to Surveys Conducted by the California Department of Water Resources, 1950-1970"

USER FEES POLICY :Fees charged on a cost recovery basis

DATE OF INFORMATION :6/27/83

PAPER FILE NUMBER :CA2

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STATE :CA
 DATA BASE NAME :Land Classification
 SUBJECT COVERAGE :Suitability for irrigated agriculture
 GEOGRAPHIC COVERAGE :Northern and Central California
 AGENCY :CA Department of Water Resources
 RESPONDENT :Glenn B. Sawyer, Chief
 Water Conservation and Use Section
 CA Department of Water Resources
 Resources Building
 1416 9th Street
 P.O. Box 388
 Sacramento, CA 95802
 Telephone: 916-445-6746
 OTHER CONTACTS :William H. Frys, Chief
 Computer Services Division
 Telephone: 916-445-2296

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DOCUMENTATION :Bulletin No. 176, "Land Use in California: An Index
 to Surveys Conducted by the California Department of
 Water Resources, 1950-1970"
 USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :6/27/83
 PAPER FILE NUMBER :CA2

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/70
 NC 68000 on MIDAS system
 CDC CYBER 720
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :BASIC
 COBOL
 SPECIALIZED SOFTWARE :Mizar package
 PERIPHERAL DEVICES :MIDAS processor for Landsat data, color image
 display, 4 Intergraph digitizers, line printer,
 dot and color dot matrix printers with graphics,
 color ink-jet, electrostatic plotter, drum pen
 plotter, flatbed pen plotter, 10 hard copy ter-
 minals, 30 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Agriculture -
 suitability for irrigation, slope, soil depth,
 texture, salinity, microrelief
 GEOGRAPHIC COVERAGE :Northern and Central California
 GEOPGRAPHIC REFERENCE :USGS 1:24,000 quads
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Grid, USGS quads
 OUTPUT PRODUCTS :Maps (1:24,000), computer tape, computer printouts
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :One time only
 CLASSIFICATION :"Standard Land Use Legend" developed by the California

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CODE :CA001-03

DATA SOURCES
UPDATE FREQUENCY
COMMENTS

:Primary
:One time only
:Study completed in 1974

STATE :CA
DATA BASE NAME :Vegetation Water Use Program
SUBJECT COVERAGE :Estimates of crop growing season evapotranspiration, evapotranspiration of applied water, and applied water requirements for the principal irrigated crops grown in nine zones in the state
GEOGRAPHIC COVERAGE :Statewide, by evaporative demand zone (9 of 11 zones)
AGENCY :CA Department of Water Resources
RESPONDENT :Glenn B. Sawyer, Chief
Water Conservation and Use Section
CA Department of Water Resources
Resources Building
1416 9th Street
P.O. Box 388
Sacramento, CA 95802
Telephone: 916-445-6746
OTHER CONTACTS :William M. Frye, Chief
Computer Services Division
Telephone: 916-445-2296

DOCUMENTATION :Bulletin No. 113-3, "Vegetative Water Use in California, 1974"
USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :6/27/83
PAPER FILE NUMBER :CA2

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/70
Motorola 68000 on NIDAS system
CDC CYBER 720
RESIDENCE :In-house
OPERATION :Interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :BASIC
COBOL
SPECIALIZED SOFTWARE :Mizar package
PERIPHERAL DEVICES :NIDAS processor for Landsat data, color image display, 4 Intergraph digitizers, line printer, dot and color dot matrix printers with graphics, color-ink jet, electrostatic plotter, drum pen plotter, flatbed pen plotter, 10 hard copy terminals, 30 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation water use - pan evaporation, net atmometer evaporation, incoming solar radiation, potential evapotranspiration
GEOGRAPHIC COVERAGE :Statewide (9 of 11 evaporative demand zones)
GRAPHIC REFERENCE :Evaporative demand zone
MINIMUM RESOLUTION :Site specific (agroclimatic/solar radiation stations)
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, summary statistics, modelling capability

CODE :CA002-01

STATE :CA
DATA BASE NAME :CA Statewide Soils Information System
SUBJECT COVERAGE :Digitized soils maps
GEOGRAPHIC COVERAGE :Santa Cruz County, Rocklin Quad; statewide eventually
STATUS :Under development
AGENCY :CA Department of Conservation
RESPONDENT :Dorothy M. Korematsu, Graduate Research Assistant
CA Department of Conservation
717 K Street, Suite 501
Sacramento, CA 95814
Telephone: 916-324-0865
OTHER CONTACTS :Hurtig Nefford, Acting Director
1320 Resources Building
1416 9th Street
Telephone: 916-322-1080

DOCUMENTATION :General information available
USER FEES POLICY :No policy established
DATE OF INFORMATION :6/15/83
PAPER FILE NUMBER :CA4

COMPUTER FACILITIES

COMPUTER(S) :INTERGRAPH
DEC PDP 11/70
IBM 370/168
RESIDENCE :Use central government computer center and CA
Department of Water Resources' Intergraph
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
Assembler
PERIPHERAL DEVICES :3 monochrome graphics CRTs, 1 tablet-free cursor
digitizer, electrostatic plotter, drum pen plot-
ter, 1 hard copy terminal, 1 alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Soils data
GEOGRAPHIC COVERAGE :Santa Cruz County, Rocklin Quad
GEOGRAPHIC REFERENCE :State Plane Coordinates
MINIMUM RESOLUTION :Soil unit at 1 acre
DATA STORAGE FORMAT :Polygon
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer
tape, statistical summaries, composite mapping, inter-
active video display capability
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Every 5 years

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CA002-01

CODE :CA003-01

STATE	:CA	COMMENTS	:Cooperative effort between the CA Association of Resource Conservation Districts (CARCD), USDA Soil Conservation Service, and CA Department of Conservation (lead agency)
DATA BASE NAME	:Farmland Mapping and Monitoring Program	=====	
SUBJECT COVERAGE	:Agricultural land classification		
GEOGRAPHIC COVERAGE	:38 counties (where modern soil surveys have been published)		
AGENCY	:CA Department of Conservation		
RESPONDENT	:Jeff Manner, Programmer/Analyst CA Department of Conservation 1516 9th Street, #400 Sacramento, CA 95814 Telephone: 916-324-0859	DOCUMENTATION	:Brochure: "The Farmland Mapping and Monitoring Program"
OTHER CONTACTS	:Marty Melierd, Acting Director 1320 Resources Building 1416 9th Street Telephone: 916-322-1080	USER FEES POLICY	:No policy established
		DATE OF INFORMATION	:5/31/83
		PAPER FILE NUMBER	:CA9

COMPUTER FACILITIES

COMPUTER(S)	:INTERGRAPH DEC PDP 11/70 IBM 370/168
RESIDENCE	:Use central government computer center and CA Department of Water Resources' Intergraph
GIS CAPABILITY	:Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES	:Monochrome graphics CRTs (3), tablet-free cursor digitizer, electrostatic plotter, drum plotter, hard copy terminal, alphanumeric CRT
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DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Agriculture - prime farmland, rangeland, unique farmland, statewide important farmland, urban areas, local important farmland
GEOGRAPHIC COVERAGE	:38 counties
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:10 acres (approximately)
DATA STORAGE FORMAT	:Polygon
OUTPUT PRODUCTS	:Maps (variable scale; maps published at 1:100,000), tables, graphics, computer tape, statistical summaries, composite mapping, interactive video display capability
DATA SOURCES	:Primary and secondary
LEVEL OF RELIABILITY	:High
UPDATE FREQUENCY	:Annually
CLASSIFICATION	:Prime and statewide important farmlands defined by the USDA Soil Conservation Service; local and unique farmlands defined by county advisory groups for all major agricultural land uses

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CODE :CA004-01

STATE :CA
 DATA BASE NAME :Bay Area Spatial Information System
 DATA BASE ACRONYM :BASIS
 SUBJECT COVERAGE :Natural environment, political/administrative units, transportation, land use, and hazards
 GEOGRAPHIC COVERAGE :San Francisco Bay Region (nine counties)
 STATUS :Geogroup maintains BASIS under contract to the Association of Bay Area Governments
 AGENCY :Association of Bay Area Governments (ABAG)
 RESPONDENT :Paul N. Wilson, President
 Geogroup Corporation
 2437 Durant Avenue
 Berkeley, CA 94704
 Telephone: 415-845-8044
 OTHER CONTACTS :Revan A. F. Tranter, Executive Director
 Association of Bay Area Governments
 Telephone: 415-841-9730

COMPUTER FACILITIES

COMPUTER(S) :Convergent Technologies IWS
 RESIDENCE :Geogroup's computer facilities
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :CTOS
 SYSTEM CAPACITY :Main memory: 256K
 Disc storage: 20M
 Simultaneous users supported: 4
 LANGUAGE(S) :FORTRAN
 Assembler
 PERIPHERAL DEVICES :2 monochrome graphics CRT's, 1 tablet-free cursor digitizer, dot and color dot matrix printers with graphics, electrostatic plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural environment - bay coastline, ocean coastline, bay water depths, elevation, geologic materials, hydrography, marshes, precipitation, slope, aspect, soil associations, wind speed
 GEOGRAPHIC COVERAGE :San Francisco Bay Region
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 State Plane Coordinates
 MINIMUM RESOLUTION :Hectare
 DATA STORAGE FORMAT :Grid, arc/node
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer

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DATA SOURCES :Tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Moderate
 :As needed

DATA CATEGORY NAME :Boundaries - city spheres of influence (LAFCO's), sewage districts, solid waste collection areas, transportation zones, urban boundaries, water districts, zip codes
 GEOGRAPHIC COVERAGE :San Francisco Bay Region
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 State Plane Coordinates
 MINIMUM RESOLUTION :Hectare
 DATA STORAGE FORMAT :Grid, arc/node
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Moderate
 :As needed

DATA CATEGORY NAME :Transportation - bridges/overpasses, electric power lines, gas pipelines, highways, petroleum pipelines, street network (DIME) files, water aqueducts
 GEOGRAPHIC COVERAGE :San Francisco Bay Region
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 State Plane Coordinates
 MINIMUM RESOLUTION :Hectare
 DATA STORAGE FORMAT :Grid, arc/node
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Moderate
 :As needed

DATA CATEGORY NAME :Land use - airports, airport runways, hazardous waste sites, industrial sites, landsat cropland, landsat land cover, seaports, sewage treatment plants
 GEOGRAPHIC COVERAGE :San Francisco Bay Region

CA004-01

CODE :CA005-01

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GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 State Plane Coordinates

MINIMUM RESOLUTION :Hectare
DATA STORAGE FORMAT :Grid, arc/node
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability

DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :As needed

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DATA CATEGORY NAME :Hazards - air pollutants, airport noise zones, dam failure inundation areas, earthquake intensity (maximum), earthquake risk (concrete and steel buildings), earthquake risk (tilt-up buildings), earthquake risk (wood buildings), fault study zones, fault traces, flood plains (FEMA-NFIP), flood plains (USGS), landslide susceptibility (earthquake-induced), landslide susceptibility (rainfall-induced), landslides, liquefaction potential, liquefaction susceptibility, slope stability, tsunami inundation areas

GEOGRAPHIC COVERAGE :San Francisco Bay Region
GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 State Plane Coordinates

MINIMUM RESOLUTION :Hectare
DATA STORAGE FORMAT :Grid, arc/node
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability

DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :As needed

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DOCUMENTATION :General and data type information available
USER FEES POLICY :Fees charged for all products and services according to a fee schedule
DATE OF INFORMATION :5/31/83
PAPER FILE NUMBER :CA7

STATE :CA
DATA BASE NAME :CA Natural Diversity Database
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of California and The Nature Conservancy, a national nonprofit conservation organization.

AGENCY :CA Natural Diversity Database
RESPONDENT :Moreen Brown, Coordinator
 CA Natural Diversity Database
 c/o CA Department of Fish and Game
 1416 9th Street
 Sacramento, CA 95814
 Telephone: 916-322-2493
OTHER CONTACTS :Audrey Borden, Data Handler
 Blair Canti, Zoologist
 Susan Cochrane, Botanist
 Deb Jensen, Plant Ecologist
 Suzanne Wall, Data Handler
 John Ellison, Aquatic Ecologist
 Shellie Gareau, Procedures Specialist
 The Nature Conservancy
 1800 North Kent Street
 Arlington, VA 22209
 Telephone: 703-841-5300

COMPUTER FACILITIES
COMPUTER(S) :INTERGRAPH

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE	:Statewide

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DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :CA99

CA004-01
(cont.)
CA005-01

CODE :CO001-01

line printer, small flatbed pen plotter (Grand Junction office), 6 hard copy terminals (2 in Denver, 4 in regional offices), 1 alphanumeric CRT

STATE :CO
 DATA BASE NAME :Wildlife Resource Information System
 DATA BASE ACRONYM :WRIS
 SUBJECT COVERAGE :Critical habitats, biological features, endangered fish, streams and lakes in Colorado
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This information system contains several textual data bases with geographical components:
 (1) Scientific Collection Permit Database (SCICOLL)
 (2) Colorado Wildlife Species Database (WILDBASE)
 (3) Latilong Database (WILDATA)
 (4) Endangered Fish Data (DNWFFP)
 (5) Stream Database (STREAM)
 (6) Lake Database (LAKES)
 AGENCY :CO Department of Natural Resources
 RESPONDENT :Don Schrapp, Wildlife Inventory Coordinator
 Division of Wildlife, Ecological Services Section
 CO Department of Natural Resources
 6060 N. Broadway
 Denver, CO 80216
 Telephone: 303-297-1192, Ext. 275

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 170-720
 :CDC CYBER 6400
 RESIDENCE :Colorado State University and University of Colorado
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :CDC NOS (Network Operating System)
 LANGUAGE(S) :FORTRAN
 :Assembler
 :BASIC
 :PASCAL
 :COBOL
 :SNOBOL
 :LISP
 :COMPASS
 :API

SPECIALIZED SOFTWARE

:CALCOMP Routines
 :SACIS software (GIS)
 :FWS/MANAGE
 :INSL
 :SPSS
 :MINITAB

PERIPHERAL DEVICES :6 Tektronix 4010s and 4012s (2 in Denver, 4 in regional offices), 5 Tektronix 4954 digitizers (2 in Denver, 3 in regional offices), Dectrwriter II

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - mammals, birds, fish, reptiles, amphibians, populations, critical habitat, threatened, endangered, biological features
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately two-thirds of the state complete to date
 GEOGRAPHIC REFERENCE :Latitude/longitude
 :State Plane Coordinates
 :Ad hoc grid, unreferenced
 :By Game Management Unit
 MINIMUM RESOLUTION :Site specific; 1 acre; 2-5 acres; 10 acres; 40 acres; 160 acres; 1 square mile; by township; by county; by game management unit; by watershed or river basin
 DATA STORAGE FORMAT :Grid, polygon, coordinate point, tabular
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 UPDATE FREQUENCY :Varies
 CONFIDENTIALITY :Restricted access to threatened and endangered species information; peregrine nest information restricted
 COMMENTS :Cooperative project with U.S. Fish and Wildlife Service

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DATA CATEGORY NAME :Surface water hydrology - streams, lakes
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 :Public Land Survey
 MINIMUM RESOLUTION :Site specific; by township; by county; by game management unit; by watershed or river basin
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, interactive video display
 DATA SOURCES :Primary and secondary
 UPDATE FREQUENCY :Varies (weekly, monthly, annually, every 5 years)

DOCUMENTATION :
 : "Evolution of the Colorado Division of Wildlife's Inventory System"
 USER FEES POLICY :Fees charged for all products and services on a cost recovery basis
 DATE OF INFORMATION :6/24/83
 PAPER FILE NUMBER :CO1

CO001-01

CODE :C0002-01

STATE :CO
 DATA BASE NAME :CO Resource Information System
 DATA BASE ACRONYM :CRIS
 SUBJECT COVERAGE :Energy resources, geology, surface water hydrology, land use/land cover, soils data, archaeological sites, wildlife
 GEOGRAPHIC COVERAGE :Twelve counties in northwest Colorado
 STATUS :Status unknown
 AGENCY :CO Department of Natural Resources
 RESPONDENT :Kim Koulet, Program Manager
 CO Department of Natural Resources
 718 State Centennial Building
 1313 Sherman Street
 Denver, CO 80203
 Telephone: 303-866-3337
 OTHER CONTACTS :Steve Norris
 :Ron Cattany, Assistant Director
 303-866-3311

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 170
 RESIDENCE :Colorado State University
 OPERATION :Batch
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :1 monochrome graphics CRT, 1 alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy resources - petroleum, natural gas, oil shale, uranium, coal, coal mines, tract ownership (coal), tract ownership (shale), uranium mines, production forecasts, active oil & gas fields, proposed lease sites
 GEOGRAPHIC COVERAGE :Twelve counties of northwest Colorado (Delta, Eagle, Garfield, Grand, Gunnison, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :500-meter cell; by county; by ownership unit
 DATA STORAGE FORMAT :Grid, polygon, tabular
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate

ORIGINAL PAGE
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DATA CATEGORY NAME :Geology
 GEOGRAPHIC COVERAGE :Ten counties in northwest Colorado (Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Public Land Survey
 DATA STORAGE FORMAT :By management unit; by county
 OUTPUT PRODUCTS :Grid, polygon, tabular
 DATA SOURCES :Maps (variable scale), graphics, computer tape, modelling capability, statistical summaries, composite mapping
 :Secondary

DATA CATEGORY NAME :Surface water hydrology - streams, lakes, fish, threatened species, endangered species, habitat, reservoirs, rivers
 GEOGRAPHIC COVERAGE :Ten counties in northwest Colorado (Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Public Land Survey
 DATA STORAGE FORMAT :By county; by management unit; by watershed or river basin
 OUTPUT PRODUCTS :Grid, polygon
 DATA SOURCES :Maps (variable scale), tables, graphics, modelling capability, composite mapping
 :Secondary

DATA CATEGORY NAME :Land use/land cover - roads, wilderness, cities, agriculture, rangeland, ownership, urban development, archaeological sites
 GEOGRAPHIC COVERAGE :Ten counties in Northwest Colorado (Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)

DATA CATEGORY NAME :Soils data
 GEOGRAPHIC COVERAGE :Ten counties in northwest Colorado (Eagle, Garfield, Grand, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)

DATA CATEGORY NAME :Archaeological sites
 GEOGRAPHIC COVERAGE :Three counties in northwest Colorado (Moffat, Rio Blanco and Routt)
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Coordinate point
 DATA SOURCES :Secondary

C0002-01

LEVEL OF RELIABILITY :Moderate
CONFIDENTIALITY :Site specific locations for sites on federal land are protected by the Archaeological Resources and Protection Act of 1979
COMMENTS :Refer to CO Inventory of Cultural Resources (Code: C0003-01) for details

DATA CATEGORY NAME :Wildlife
GEOGRAPHIC COVERAGE :Twelve counties in northwest Colorado (Delta, Eagle, Garfield, Grand, Gunnison, Jackson, Mesa, Moffat, Pitkin, Rio Blanco, Routt, Summit)
DATA SOURCES :Secondary
CONFIDENTIALITY :Restricted access to threatened and endangered species information
COMMENTS :Refer to Wildlife Resources Information System (Code: C0001-01) for details

DOCUMENTATION :General information available; CORSTAT File printout; documentation on software and data assessment procedures is being developed
USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :6/6/83
PAPER FILE NUMBER :C02

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C0002-01
(cont.)

CODE :C0003-01

CODE :C0004-01

STATE :CO
 DATA BASE NAME :CO Inventory of Cultural Resources
 SUBJECT COVERAGE :Archaeological and historic site data
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :CO Historical Society
 RESPONDENT :Nancy Gouss, Chief
 Information Management
 CO Preservation Office
 CO Historical Society
 1300 Broadway
 Denver, CO 80203
 Telephone: 303-866-3394
 OTHER CONTACTS :Barbara Sudler
 Acting State Historic Preservation Officer
 Telephone: 303-866-3392

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 720
 RESIDENCE :Colorado State University Computer Center
 OPERATION :Batch

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :One Texas Instruments 700 hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Cultural areas -
 archaeological sites, historic sites, location,
 description, national register status
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 Public Land Survey
 By county
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Statistics, reports (retrieve by any variable)
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuously
 CONFIDENTIALITY :All data subject to restricted access
 COMMENTS :The system will be upgraded during the next year to include additional data types; data routinely supplied to the Bureau of Land Management and U.S. Forest Service

STATE :CO
 DATA BASE NAME :CO Natural Heritage Inventory
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This program was undertaken as a cooperative effort between the State of Arkansas and The Nature Conservancy, a national nonprofit conservation organization.
 AGENCY :CO Natural Heritage Inventory
 RESPONDENT :Scott Peterson, Coordinator/Botanist
 CO Natural Heritage Inventory
 1550 Lincoln #110
 Denver, CO 80203
 Telephone: 303-866-5887
 OTHER CONTACTS :Beth Lupin, Data Manager/Zoologist
 :Bill Baker, Plant Ecologist
 :Julie Arbor, Mapper/Data Handler
 :Shellie Gareau, Procedures Specialist
 The Nature Conservancy
 1800 North Kent Street
 Arlington, VA 22209
 Telephone: 703-861-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
 GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
 DATE OF INFORMATION :1/21/83
 PAPER FILE NUMBER :C08

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USER FEES POLICY :Fees charged for all products and services according to a fee schedule (e.g. \$6.50 per township)
 DATE OF INFORMATION :8/4/83
 PAPER FILE NUMBER :C07

C0003-01
 C0004-01

CODE :CT001-01

CODE :CT002-01

STATE :CT
 DATA BASE NAME :CT Census Data Center
 SUBJECT COVERAGE :U.S. census data
 GEOGRAPHIC COVERAGE :Primarily data for the State of Connecticut
 STATUS :Data base initiated in 1980
 AGENCY :CT Office of Policy & Management
 RESPONDENT :Theron A. Schnure, Assistant Director
 Comprehensive Planning Division
 CT Office of Policy & Management
 80 Washington Street
 Hartford, CT 06106-4459
 Telephone: 203-566-3905
 OTHER CONTACTS :Horace H. Brown, Acting Under Secretary

COMPUTER FACILITIES

COMPUTER(S) :IBM 3032
 RESIDENCE :State of Connecticut computer installation facility

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Socio-economic data -
 U.S. census data
 GEOGRAPHIC COVERAGE :Statewide, at all geographic levels
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :Ongoing

DOCUMENTATION :CT Census Data Center News (newsletter)
 DATE OF INFORMATION :6/6/83
 PAPER FILE NUMBER :CTS

STATE :CT
 DATA BASE NAME :Air Quality Data Handling System
 SUBJECT COVERAGE :Air quality and climatological data
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Data base initiated in 1976
 AGENCY :CT Department of Environmental Protection
 RESPONDENT :Victor W. Yanosy, Senior Air Pollution Control Engineer
 CT Department of Environmental Protection
 Air Compliance
 State Office Building, Room 150
 165 Capitol Avenue
 Hartford, CT 06106
 Telephone: 203-566-3310

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/168
 RESIDENCE :D.A.S., 340 Broad Street, Hartford, CT 06106

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
 air pollution, total suspended particulates, sulfur
 dioxide, ozone, nitrogen dioxide, carbon dioxide, lead
 GEOGRAPHIC COVERAGE :Statewide
 MINIMUM RESOLUTION :Air monitoring network sites
 OUTPUT PRODUCTS :Tables, summary statistics, reports
 DATA SOURCES :Primary
 CLASSIFICATION :National Ambient Air Quality Standards

DATA CATEGORY NAME :Climate/weather -
 temperature, precipitation, wind speed, etc.
 MINIMUM RESOLUTION :By weather service station
 OUTPUT PRODUCTS :Tables, summary statistics, reports

DOCUMENTATION : "Connecticut Air Quality Summary: 1980"
 DATE OF INFORMATION :7/18/83
 PAPER FILE NUMBER :CT6

ORIGINAL PAGE IS
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CT002-01

CODE :CT003-01

STATE :CT
DATA BASE NAME :CT Natural Resources Center
DATA BASE ACRONYM :NRC
SUBJECT COVERAGE :Natural resources information
GEOGRAPHIC COVERAGE :Statewide
STATUS :The National Resources Center has an ongoing program of gathering, interpreting, and disseminating data on the State's natural resources. The Center has compiled a directory of various natural resources data existing for the State of Connecticut, including information on land surface, earth materials, water resources, coastal resources, and natural history information; and listings of regional agencies that can be of service to individuals needing additional data for a particular town or area.
The Center maintains automated data bases on only some data files.
AGENCY :CT Department of Environmental Protection
RESPONDENT :Carolyn Hughes, Environmental Analyst
Natural Resources Center
CT Department of Environmental Protection
State Office Building, Room 553
Hartford, Ct 06106
Telephone: 203-566-3540

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL Level 6 Mini
:BURROUGHS B-20
:IBM 370
RESIDENCE :HONEYWELL Level 6 Mini - all units of the CT Department of Environmental Protection
BURROUGHS B-20 Cluster - Natural Resource Center
IBM 370 - State Data Center (Center for Applied Technology & Research - CATER)
Also use computer at the University of Connecticut

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
COBOL

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Water use
GEOGRAPHIC COVERAGE :Statewide
COMMENTS :The Center is in the process of developing a shared data base (among state agencies) for water use data

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CT003-01

CODE :DE001-01

wetland biomass

STATE :DE
 DATA BASE NAME :Land Use Change
 SUBJECT COVERAGE :Land use
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :In progress; joint study with Delaware state agencies
 AGENCY :Center for Remote Sensing
 RESPONDENT :Dr. Vytautas Klemas, Director
 Center for Remote Sensing
 College of Marine Studies
 University of Delaware
 Newark, DE 19711
 Telephone: 302-738-2336

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DOCUMENTATION :General information available
 DATE OF INFORMATION :7/26/83
 PAPER FILE NUMBER :DRS

COMPUTER FACILITIES

COMPUTER(S) :CROMENCO Z2 (ERDAS 400)
 :DEC PDP 11/70
 :DEC 10
 :HARRINGTONS B-7700
 RESIDENCE :In-house (CROMENCO Z2) and at the University of
 Delaware Computer Center
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :CDOS
 SYSTEM CAPACITY :Main memory: 64K
 Disc storage: 2.5M
 Simultaneous users supported: 1
 LANGUAGE(S) :FORTRAN
 Assembler
 SPECIALIZED SOFTWARE :ERDAS software
 PERIPHERAL DEVICES :Color image display, line printer, dot matrix
 printer with graphics, 2 hard copy terminals, 1
 alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -
 agricultural land, change

DATA CATEGORY NAME :Land cover -
 forest land, wetland acreage, agricultural land,
 change

DATA CATEGORY NAME :Vegetation -

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DE001-01

CODE :DE002-01

STATE :DE
DATA BASE NAME :DE Water Use Data System
SUBJECT COVERAGE :Groundwater and surface water hydrology
GEOGRAPHIC COVERAGE :Statewide
AGENCY :DE Department of Natural Resources
and Environmental Control
RESPONDENT :M. A. Apgar, Geohydrologist
Water Resources Section
Division of Environmental Control
DE Department of Natural Resources
and Environmental Control
Edward Tatnall Building
William Penn and Legislative Avenues
P.O. Box 1401
Dover, DE 19901
Telephone: 302-736-5743

DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Continuously; annually
CONFIDENTIALITY :Data must be accessed through the DE Department of
Natural Resources and Environmental Control

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DOCUMENTATION :User Manual (instructions, data availability, access)
USER FEES POLICY :\$5/hour connect time plus \$12/hour programmer time
DATE OF INFORMATION :6/1/83
PAPER FILE NUMBER :DE6

COMPUTER FACILITIES

COMPUTER(S) :DURRROUGHS 6900
RESIDENCE :Private sector computer
OPERATION :Interactive
GIS CAPABILITY :Partial; geographic retrieval by latitude/longitude
and by modified grid

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water hydrology -
water body type, water rights
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
Aquifer
Modified Grid Coordinates (road boundaries)
MINIMUM RESOLUTION :By watershed or river basin; by ownership unit; by
county
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Continuously; annually
CONFIDENTIALITY :Data must be accessed through the DE Department of
Natural Resources and Environmental Control

DATA CATEGORY NAME :Groundwater hydrology -
quality, discharge/pumpage, well location, water
rights, levels, drillers' logs
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
Aquifer
Modified Grid Coordinates (road boundaries)
MINIMUM RESOLUTION :By watershed or river basin, by ownership unit, by

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DE002-01

CODE :FL001-01

STATE :FL
 DATA BASE NAME :Marine Resources Geobased Information System
 DATA BASE ACRONYM :NRGIS
 SUBJECT COVERAGE :Marine resources, coastal land cover
 GEOGRAPHIC COVERAGE :Coastal areas statewide
 STATUS :Under development
 AGENCY :FL Department of Natural Resources
 RESPONDENT :Kenneth D. Haddad, Senior Biologist
 FL Department of Natural Resources
 Marine Resources Laboratory
 100 8th Avenue S.E.
 St. Petersburg, FL 33701
 Telephone: 813-896-8626

COMPUTER FACILITIES:

COMPUTER(S) :GOULD S.E.L. SYSTEMS 32/27
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :NPX-32
 SYSTEM CAPACITY :Main memory: 512KB
 Disc storage: 300MB
 Simultaneous users supported: 2 (currently)
 LANGUAGE(S) :FORTRAN
 SPECIALIZED SOFTWARE :ELAS
 PERIPHERAL DEVICES :Color image display, 1 tablet-free cursor digitizer, 2 alphanumeric CRTs, photographic hard-copy output

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Marine resources - land use change (1950's), land use change (1980-1983), Landsat classification
 GEOGRAPHIC COVERAGE :Estuarine systems in Charlotte Harbor-Tampa Bay-Lake Worth special project area initially; will include most of the State's coastal areas by November 1984
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :By watershed or river basin; by estuary or marine boundaries; 10,000 square meters (UTM cell)
 DATA STORAGE FORMAT :Polygon
 OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, statistical summaries, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High to moderate
 CLASSIFICATION :Florida Department of Transportation classification scheme

DATA CATEGORY NAME :Marine resources - coastal fishery landing statistics
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :By county
 MINIMUM RESOLUTION :By county
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Low
 UPDATE FREQUENCY :Monthly
 COMMENTS :Data routinely supplied to NMFS data base

DATA CATEGORY NAME :Marine resources - ocean surface analysis, temperature, turbidity, chlorophyll
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :By ocean area
 DATA STORAGE FORMAT :Polygon, coordinate point
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Sporadic, depending on needs

DATA CATEGORY NAME :Land cover - barren land, forest land, rangeland, water, wetlands, estuaries, cropland, pasture, urban/built-up, land cover habitat
 GEOGRAPHIC COVERAGE :Estuarine systems in Charlotte Harbor-Tampa Bay-Lake Worth special project area initially; will include most of the State's coastal areas by November 1984
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 DATA STORAGE FORMAT :Polygon
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Probably every 5 years
 CLASSIFICATION :Florida Department of Transportation classification scheme

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USER FEES POLICY :No policy established
 DATE OF INFORMATION :7/12/83
 PAPER FILE NUMBER :FL1

CODE :FL002-01

STATE :FL
DATA BASE NAME :FL Subsurface Geological Data Base
SUBJECT COVERAGE :Subsurface geology
GEOGRAPHIC COVERAGE :Statewide
AGENCY :FL Bureau of Geology
RESPONDENT :Thomas M. Scott, Geologist III
FL Bureau of Geology
Division of Resource Management
Department of Natural Resources
904 W. Tennessee Street
Tallahassee, FL 32304
Telephone: 904-488-9380
OTHER CONTACTS :C. W. Hendry, Jr., State Geologist
Telephone: 904-488-4191

DOCUMENTATION :"A Computer Program for Storage and Retrieval of Geologic Sample Descriptions From Coded Input" (FRG01), revised 1978
USER FEES POLICY :No policy established
DATE OF INFORMATION :6/10/83
PAPER FILE NUMBER :FL5

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 760
RESIDENCE :Florida State University
OPERATION :Interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :1 monochrome graphics CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Subsurface geology -
depth, elevation, geophysical logs, formation, rock
type, color, porosity, description of sand, descrip-
tion of limestone, description of dolomite, indur-
ation, cement type, sedimentary structures, accessory
minerals, general fossils, index fossils
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
Public Land Survey
County
MINIMUM RESOLUTION :Site specific; 40 acres (quarter-quarter section); and
by county
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Graphics
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High to moderate
UPDATE FREQUENCY :Varies, depending on new data acquisition

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CODE :FL003-01

STATE	:FL	GEOGRAPHIC REFERENCE	:Latitude/longitude Public Land Survey Specific location and address Park District State Planning Region
DATA BASE NAME	:Division of Recreation & Parks Management Information System	MINIMUM RESOLUTION	:By ownership unit; by management unit; by county
SUBJECT COVERAGE	:Land use, outdoor recreation	DATA STORAGE FORMAT	:Tabular
GEOGRAPHIC COVERAGE	:Statewide	OUTPUT PRODUCTS	:Tables, statistical summaries, interactive video display, standarized reports including inventories, attendance-revenue summaries, construction project status, recreation demand/need, etc.
STATUS	:This data base has four subsystems: (a) Outdoor Recreation Planning subsystem (currently being incorporated into the Information System), (b) Recreation Lands Development subsystem, (c) Recreation Lands Administration subsystem, and (d) Recreation Grants Management System	DATA SOURCES	:Primary and secondary
AGENCY RESPONDENT	:FL Department of Natural Resources :Albert G. Gregory, Recreation Planner Supervisor FL Department of Natural Resources Division of Recreation & Parks Marjorie Stoneman Douglas Building 3900 Commonwealth Boulevard Tallahassee, FL 32303 Telephone: 904-488-2200	UPDATE FREQUENCY	:Varies with the data type
OTHER CONTACTS	:Bill Roidell, Computer Systems Analyst Telephone: 904-488-8179 :John Davis, Administrative Assistant Telephone: 904-488-8179	COMMENTS	:These data are contained within the Outdoor Recreation Planning subsystem, Recreation Lands Development subsystem, and the Recreation Lands Administration subsystem
=====			
<u>COMPUTER FACILITIES</u>		DOCUMENTATION	:Descriptions of software and data structure have been prepared, but are not available for public distribution at this time.
COMPUTER(S)	:IBM 4341	USER FEES POLICY	:No policy established
RESIDENCE	:In-house; also use Natural Resources Management Systems & Services Data Center	DATE OF INFORMATION	:6/16/83
<u>IN-HOUSE FACILITIES</u>			
OPERATING SYSTEM	:DOS/VSE	PAPER FILE NUMBER	:FL4
SYSTEM CAPACITY	:Main memory: 8MB Disc storage: 1714MB		
LANGUAGE(S)	:Assembler COBOL DMS RPG		
SPECIALIZED SOFTWARE	:SAS DMS		
PERIPHERAL DEVICES	:Color image display, 3278 terminal, line printer, dot matrix printer with graphics, 4 hard copy terminals		
<u>DESCRIPTION OF DATA CATEGORIES</u>			
DATA CATEGORY NAME	:Land use - recreation, parks, unique areas, historical areas, archaeological areas, outdoor recreation supply, state park system units and sites		
GEOGRAPHIC COVERAGE	:Statewide		

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	CODE :FL004-01	
STATE	:FL	
DATA BASE NAME	:FL Natural Areas Inventory Data Base	LEVEL OF RELIABILITY
SUBJECT COVERAGE	:Natural diversity elements, non-game wildlife, vegetation, surface water hydrology and parks	UPDATE FREQUENCY
GEOGRAPHIC COVERAGE	:Statewide (including nearshore)	CONFIDENTIALITY
STATUS	:This data base is operated by The Nature Conservancy under contract to the FL Department of Natural Resources	CLASSIFICATION
AGENCY		
RESPONDENT	:Steve Gutowood, Coordinator FL Natural Areas Inventory 254 East Sixth Avenue Tallahassee, FL 32303 Telephone: 904-224-8207	DATA CATEGORY NAME
OTHER CONTACTS	:Jim Muller, Data Manager Shellie Gareau The Nature Conservancy 1800 North Kent Street Suite 800 Arlington, VA 22209 Telephone: 703-841-5307	GEOGRAPHIC COVERAGE
COMPUTER FACILITIES		GEOGRAPHIC REFERENCE
COMPUTER(S)	:HP 3000 Model 44	MINIMUM RESOLUTION
RESIDENCE	:Use a private sector computer center	DATA STORAGE FORMAT
OPERATION	:Interactive	OUTPUT PRODUCTS
GIS CAPABILITY	:Partial (capability to group data geographically, but not a primary function)	DATA SOURCES
IN-HOUSE FACILITIES		LEVEL OF RELIABILITY
PERIPHERAL DEVICES	:1 monochrome graphics CRT, dot matrix printer	UPDATE FREQUENCY
DESCRIPTION OF DATA CATEGORIES		CONFIDENTIALITY
DATA CATEGORY NAME	:Natural diversity elements - special plants, special animals, rare communities, exemplary communities, bird rookeries, geologic features, champion trees	CLASSIFICATION
GEOGRAPHIC COVERAGE	:Statewide (including nearshore)	
GEOGRAPHIC REFERENCE	:Latitude/longitude Public Land Survey County USGS 7 1/2' quadrangle Watershed Physiographic province	DATA CATEGORY NAME
MINIMUM RESOLUTION	:Site specific; 1 square mile; by county; by watershed or riverbasin	GEOGRAPHIC COVERAGE
DATA STORAGE FORMAT	:Coordinate point	GEOGRAPHIC REFERENCE
OUTPUT PRODUCTS	:Tables; printouts of individual records	MINIMUM RESOLUTION
DATA SOURCES	:Primary and secondary	DATA STORAGE FORMAT

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QUALITY

	:High
	:Continuously
	:Locations for sensitive elements (e.g. orchids, nesting habitats) are subject to restricted access
	:Developed in-house based on numerous sources
	:Wildlife - non-game mammals, non-game birds, non-game fish, non-game marine/estuarial, reptiles/amphibians, populations, management, habitat, threatened, endangered, invertebrates
	:Statewide (including nearshore)
	:Latitude/longitude Public Land Survey County USGS 7 1/2' quadrangle Watershed Physiographic province
	:Site specific; 1 square mile; by county; by watershed or river basin
	:Coordinate point
	:Tables; printouts for individual records
	:Primary and secondary
	:High
	:Continuously
	:Locations for sensitive elements (e.g. nesting habitats) are subject to restricted access
	:Developed in-house based on numerous sources
	:Vegetation - species, communities, quality/condition, succession, rare, endangered, management, habitat
	:Statewide (including nearshore)
	:Latitude/longitude Public Land Survey County USGS 7 1/2' quadrangle Watershed Physiographic province
	:Site specific; 1 square mile; by county; by watershed or river basin
	:Coordinate point
	:Tables, printouts for individual records
	:Primary and secondary
	:High
	:Continuously
	:Locations for sensitive elements (e.g., orchids) are subject to restricted access
	:Developed in-house based on numerous sources

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DATA CATEGORY NAME :Surface water hydrology -
GEOGRAPHIC COVERAGE :quality, water body type
GEOGRAPHIC REFERENCE :Statewide (including nearshore)
MINIMUM RESOLUTION :Latitude/longitude
Public Land Survey
County
USGS 7 1/2' quadrangle
Watershed
Physiographic province
CLASSIFICATION :Site specific; 1 square mile; by county; by watershed
or river basin
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Tables, printouts for individual records
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuously
CONFIDENTIALITY :Locations for sensitive elements subject to restricted
access
CLASSIFICATION :Developed in-house based on numerous sources

DATA CATEGORY NAME :Land use -
GEOGRAPHIC COVERAGE :national parks, state parks, local parks, natural recreation areas, boundaries, management, protection level, size, description, address of manager
GEOGRAPHIC REFERENCE :Statewide (including nearshore)
MINIMUM RESOLUTION :Latitude/longitude
Public Land Survey
County
USGS 7 1/2' quadrangle
Watershed
Physiographic province
CLASSIFICATION :Site specific; 1 square mile; by county; by watershed
or river basin
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Tables, printouts for individual records
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuously
CONFIDENTIALITY :Locations for sensitive elements subject to restricted
access
CLASSIFICATION :Developed in-house based on numerous sources

DOCUMENTATION :Information available on data encoding format/procedure
and descriptive information
USER FEES POLICY :No fee at present for state/federal agencies; no policy
established for private firms
DATE OF INFORMATION :8/29/83
PAPER FILE NUMBER :FL6

FL004-01
(cont.)

STATE :HI
 DATA BASE NAME :Historic Sites Inventory
 SUBJECT COVERAGE :Cultural resources
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :HI Department of Land and Natural Resources
 RESPONDENT :Jason Ota, Archaeologist
 Historic Sites Section
 Division of State Parks
 HI Department of Land and Natural Resources
 P.O. Box 621
 Honolulu, HI 96809
 Telephone: 808-548-6408
 OTHER CONTACTS :Roy K.C. Sue, State Parks Administrator
 :Dr. Don Hibbard, Director
 Historic Sites Section

COMPUTER FACILITIES

COMPUTER(S) :WANG 2200VS
 RESIDENCE :HI Department of Planning and Economic Development
 OPERATION :Batch
 GIS CAPABILITY :Partial

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Cultural resources -
 architectural sites, archaeological sites, locations
 GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :General information available in "HI-PASS: Hawaii Planning Activities Support System" publication (Hawaii Department of Planning and Economic Development).
 USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :10/13/83
 PAPER FILE NUMBER :HI11

STATE :HI
 DATA BASE NAME :Coastal Resource Data Base
 SUBJECT COVERAGE :Coastal resources
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :HI Department of Planning and Economic Development
 RESPONDENT :Shoji Kato, Head
 Planning Division
 HI Department of Planning and Economic Development
 250 South King Street
 Honolulu, HI 96813
 Telephone: 808-548-3042

COMPUTER FACILITIES

COMPUTER(S) :WANG 2200VS
 IBM 370/158
 RESIDENCE :In-house (WANG 2200VS); University of Hawaii Computing Center (IBM 370/158)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Partial (data are organized by land parcel units known as Tax Map Keys)

IN-HOUSE FACILITIES

SYSTEM CAPACITY :WANG 2200VS
 Main memory: 512 KB
 Disc storage: 180 MB
 Simultaneous users supported: 13
 LANGUAGE(S) :BASIC
 COBOL
 SPECIALIZED SOFTWARE :SPSS
 SAS
 PERIPHERAL DEVICES :Line printer (character graphics), alphanumeric CRTs (4)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Coastal resources -
 waterbird habitats, wetlands, flood/tsunami areas, perennial streams, intermittent streams
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :By ownership unit
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :As source information is updated; last updated in January 1983

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DOCUMENTATION : "HI-PASS: Hawaii Planning Activities Support System"
 USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :10/24/83
 PAPER FILE NUMBER :HI13

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HI001-01
 HI002-01

CODE :H1002-02

STATE :HI
 DATA BASE NAME :HI Planning Activities Support System
 DATA BASE ACRONYM :H-PASS
 SUBJECT COVERAGE :Land use
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :The Hawaii Planning Activities Support System (H-PASS) was developed as a research and demonstration project to improve information management for governmental agencies involved with coastal planning and land use. H-PASS integrates permit information of nine State and County agencies with major land and water use management responsibilities. The agencies are:
 Department of Planning and Economic Development
 Department of Land and Natural Resources
 Department of Health
 Department of Transportation
 Office of Environmental Quality Control
 City and County of Honolulu Department of Land Utilization
 County of Maui Planning Department
 County of Hawaii Planning Department
 County of Kauai Planning Department
 During the past three years, the State Department of Planning, through its Coastal Zone Management (CZM) Program, and the University of Hawaii's Department of Urban and Regional Planning have cooperated to develop this computerized system linking permit and resource management information of State and County agencies responsible for programs dealing with land and water use. H-PASS is financed mostly with Federal CZM grants.
 AGENCY RESPONDENT :HI Department of Planning and Economic Development
 :Shoji Kato, Head
 Planning Division
 HI Department of Planning and Economic Development
 250 South King Street
 Honolulu, HI 96813
 Telephone: 808-548-3042

COMPUTER FACILITIES

COMPUTER(S) :WANG 2200VS
 IBM 370/158
 RESIDENCE :In-house (WANG 2200VS); University of Hawaii Computing Center (IBM 370/158)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Partial (data are organized by land parcel units known as Tax Map Keys)

IN-HOUSE FACILITIES

SYSTEM CAPACITY :WANG 2200VS

Main memory: 512 KB
 Disc storage: 180 MB
 Simultaneous users supported: 13
 LANGUAGE(S) :BASIC
 COBOL
 SPECIALIZED SOFTWARE :SPSS
 SAS
 PERIPHERAL DEVICES :Line printer (character graphics), alphanumeric CRTs (4)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use - major coastal/land use permits
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :By ownership unit, site specific
 DATA STORAGE FORMAT :Tabular, Tax Map Key
 OUTPUT PRODUCTS :Tables, graphics, computer tape, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuously; weekly
 CONFIDENTIALITY :Staff analyses/recommendations subject to restricted access; also permits in litigation

DOCUMENTATION : "H-PASS: Hawaii Planning Activities Support System"
 USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :10/24/83
 PAPER FILE NUMBER :H113-2

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H1002-02

CODE : HI003-01

CODE : HI004-01

STATE : HI
 DATA BASE NAME : "Resource Inventory Information"
 SUBJECT COVERAGE : Forest resources
 GEOGRAPHIC COVERAGE : Statewide
 STATUS : Under development; data base has not yet been named
 AGENCY : HI Department of Land and Natural Resources
 RESPONDENT : Libart K. Landgraf, Administrator
 Division of Forestry and Wildlife
 HI Department of Land and Natural Resources
 1151 Punchbowl Street
 Honolulu, HI 96813
 Telephone: 808-548-2861
 OTHER CONTACTS : Edwin Q. P. Petteys, Resources Evaluation Forester

COMPUTER FACILITIES

COMPUTER(S) : TELEVIDEO 806
 RESIDENCE : In-house
 OPERATION : Interactive
 GIS CAPABILITY : No

IN-HOUSE FACILITIES

OPERATING SYSTEM : CP/M
 SYSTEM CAPACITY : Main memory: 64 bytes
 Disc storage: 11MB
 Simultaneous users supported: 6
 SPECIALIZED SOFTWARE : DBASE II
 PERIPHERAL DEVICES : Dot matrix printer with graphics

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Forestry - ownership, vegetation types, timber volume, soils, wildlife, zoning, climate, noxious/exotic plants
 GEOGRAPHIC COVERAGE : Statewide
 GEOGRAPHIC REFERENCE : Universal Transverse Mercator (pending)
 MINIMUM RESOLUTION : Approximately 200 acres
 DATA STORAGE FORMAT : Coordinate point
 OUTPUT PRODUCTS : Tables, statistical summaries
 DATA SOURCES : Primary and secondary
 LEVEL OF RELIABILITY : Unknown
 UPDATE FREQUENCY : Every five years (estimated)
 CONFIDENTIALITY : Timber volume data for specific landowners is subject to restricted access
 COMMENTS : Data routinely supplied to the U.S. Forest Service/RPA

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USER FEES POLICY : No policy established
 DATE OF INFORMATION : 9/15/83
 PAPER FILE NUMBER : HI8

STATE : HI
 DATA BASE NAME : Marine Fish Transects
 SUBJECT COVERAGE : Fishery inventory data
 GEOGRAPHIC COVERAGE : Statewide
 AGENCY : HI Department of Land and Natural Resources
 RESPONDENT : Henry Sakuda, Director
 Division of Aquatic Resources
 HI Department of Land and Natural Resources
 1151 Punchbowl Street, Room 330
 Honolulu, HI 96813
 Telephone: 808-548-4001

COMPUTER FACILITIES

COMPUTER(S) : IDN 370
 RESIDENCE : HI Department of Budget and Finance, Electronic Data Processing Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Fisheries - marine fish, inventory data
 GEOGRAPHIC COVERAGE : Statewide
 UPDATE FREQUENCY : On-going
 COMMENTS : Repository initiated in 1977

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DATE OF INFORMATION : 6/17/83
 PAPER FILE NUMBER : HI6

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HI003-01
 HI004-01

CODE :HI004-02

CODE :HI004-03

STATE :HI
 DATA BASE NAME :Commercial Fish Catch
 SUBJECT COVERAGE :Various commercial fishery data
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :HI Department of Land and Natural Resources
 RESPONDENT :Henry Sakuda, Director
 Division of Aquatic Resources
 HI Department of Land and Natural Resources
 1151 Punchbowl Street, Room 330
 Honolulu, HI 96813
 Telephone: 808-548-4001

COMPUTER FACILITIES

COMPUTER(S) :IBM 370
 RESIDENCE :HI Department of Budget and Finance, Electronic Data Processing Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -
 commercial sea catch by species, pounds caught, pounds sold, value; pond catch by species, pounds caught, pounds sold, value; commercial fish landings by island (sea catch, pond catch); commercial fish landings by month (sea catch, pond catch)
 GEOGRAPHIC COVERAGE :Statewide
 UPDATE FREQUENCY :On-going
 COMMENTS :Repository initiated in 1928

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DATE OF INFORMATION :6/17/83
 PAPER FILE NUMBER :HI6

STATE :HI
 DATA BASE NAME :Aquarium Fish Catch
 SUBJECT COVERAGE :Various aquarium catch data
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Repository initiated in 1973
 AGENCY :HI Department of Land and Natural Resources
 RESPONDENT :Henry Sakuda, Director
 Division of Aquatic Resources
 HI Department of Land and Natural Resources
 1151 Punchbowl Street, Room 330
 Honolulu, HI 96813
 Telephone: 808-548-4001

COMPUTER FACILITIES

COMPUTER(S) :TNS-80 MODEL 111
 RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :BASIC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -
 aquarium catch data
 GEOGRAPHIC COVERAGE :Statewide
 UPDATE FREQUENCY :On-going

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DATE OF INFORMATION :6/17/83
 PAPER FILE NUMBER :HI6

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HI004-02
 HI004-03

STATE :HI
 DATA BASE NAME :Economic Planning Information System
 DATA BASE ACRONYM :EPIS
 SUBJECT COVERAGE :Economic time series data
 GEOGRAPHIC COVERAGE :State, County and Island level
 STATUS :In 1978, House Concurrent Resolution No. 88 requested the HI Department of Planning and Economic Development and the Department of Budget and Finance to develop jointly the Economic Planning Information System. The EPIS is a prototype computer-based information system whose role is to support the economic analysis and planning process in Hawaii by providing users with both a wide range of data, and capabilities to manipulate the data and to display information needed for decision-making.
 The EPIS was envisioned to be one subsystem of an eventual broader Hawaii State Management Information System that would also include four other subsystems -- population, physical environment, facility systems, and socio-cultural advancement. EPIS was developed and implemented as a prototype subsystem toward the development of the Statewide Management Information System.
 The completion of the development phase of the EPIS in July 1981 produced a working prototype that was introduced to several departments in FY 1982, including the Departments of Agriculture, Labor and Industrial Relations, Planning and Economic Development, Taxation, Commerce and Consumer Affairs.

AGENCY RESPONDENT :HI Department of Planning and Economic Development
 :Glenn Ifuku, Manager
 :Economic Planning Information System (EPIS)
 :HI Department of Planning & Economic Development
 :250 South King Street
 :Honolulu, HI 96813
 :Telephone: 808-548-4355

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 :IBM 370/158
 RESIDENCE :HI Department of Budget and Finance Electronic Data Processing Division (IBM 3033); University of Hawaii Computing Center (IBM 370/158)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Economic data - population, taxation, energy, agricultural production, employment
 GEOGRAPHIC COVERAGE :Statewide
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries

DOCUMENTATION : "Economic Planning Information System (EPIS): Status Report to the Twelfth Legislature, State of Hawaii"; seven manuals are planned:
 1) Introduction
 2) Reference Guide
 3) Analysis Function Guide
 4) Data Maintenance Guide
 5) General Use of Time Sharing Option (TSO)
 6) More Effective Use of Analysis Function
 7) Report Output

DATE OF INFORMATION :6/10/83
 PAPER FILE NUMBER :H14

ORIGINAL PAGE IS
 OF POOR QUALITY

CODE :IA001-01

STATE :IA
DATA BASE NAME :IA Natural Areas Inventory
GEOGRAPHIC COVERAGE :Statewide
STATUS :Data base initiated November 1981 as a cooperative effort
between the Iowa Conservation Commission and the Nature
Conservancy
AGENCY :IA Conservation Commission
RESPONDENT :Mary Jean Huston, Data Manager
IA Natural Areas Inventory
IA Conservation Commission
Wallace State Office Building
Des Moines, IA 50319
Telephone: 515-281-8012
OTHER CONTACTS :Shellie Gareau
The Nature Conservancy
1800 North Kent Street
Suite 800
Arlington, VA 22209
Telephone: 703-841-5307

COMPUTER FACILITIES

COMPUTER(S) :HP 3000 Model
RESIDENCE :Keystone Area Educational Agency, Elkader, IA

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :HP Terminal 2645A, printer 2631B

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -
rare or endangered species, distinct biotic communities,
special plant and animal species, unusual geological
formations, natural features of interest because they
are exemplary, rare, or endangered at the state or
national level
GEOGRAPHIC COVERAGE :Statewide
DATA SOURCES :Primary
UPDATE FREQUENCY :Ongoing

ORIGINAL PAGE IS
OF POOR QUALITY

DOCUMENTATION :"The Iowa Natural Areas Inventory" brochure
DATE OF INFORMATION :7/15/83
PAPER FILE NUMBER :IA13-1

IA001-01

STATE :IA
 DATA BASE NAME :IA Water Resources Data System
 DATA BASE ACRONYM :IWARDS
 SUBJECT COVERAGE :Geologic data, water quality
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Under development. This system was created as a result of Iowa House File 2463 calling for a plan to develop a comprehensive water information system to be managed by the IA Geological Survey for monitoring on a continuous basis the quantity and quality of Iowa's water resources. Data indexing, inventory and referral services will be performed for all data relevant to the general requirements set out by H.F. 2463. The Survey, in cooperation with those agencies that produce and/or use data, will prepare and maintain a data directory. The directory will supply information needed for interagency review, and help to identify gaps, duplications, and areas for potential joint activity.

Currently, five water programs are producing data that will form the nucleus of the water resources data base. These are:

- 1) Streamflow gaging program operated by the U.S. Geological Survey (in cooperation with the state and Corps of Engineers, principally);
- 2) Groundwater studies program operated by the IA Geological Survey (with cooperation by the U.S. Geological Survey);
- 3) Water rights program operated currently by the IA Natural Resources Council;
- 4) Public water supply program operated currently by the Department of Environmental Quality; and
- 5) Raw water analysis program of the University (State) Hygienic Laboratory in cooperation with the Department of Environmental Quality and the U.S. Geological Survey.

AGENCY RESPONDENT :IA Geological Survey
 :Richard L. Talcott
 :Iwards Manager and Data Processing Supervisor
 IA Geological Survey
 123 North Capitol Street
 Iowa City, IA 52242
 Telephone: 319-338-1173

COMPUTER FACILITIES

COMPUTER(S) :PERKIN-ELMER 3220
 :IBM 370
 :PRIME
 RESIDENCE :In-house (PERKIN-ELMER 3220; University of Iowa Weeg Computer Center (IBM 370, PRIME))

IN-HOUSE FACILITIES

OPERATING SYSTEM :OS32
 SYSTEM CAPACITY :Main memory: 1 MB
 Disc storage: 134 MB
 LANGUAGE(S) :FORTRAN VII
 SPECIALIZED SOFTWARE :GEOTAB
 :ELAS
 :SURFACE II
 PERIPHERAL DEVICES :11" electrostatic printer/plotter, 45" x 60" digitizer tablet, 19" storage tube graphics terminal, color image processor and monitor, video terminals (9)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology
 GEOGRAPHIC COVERAGE :Statewide
 COMMENTS :The Geologic Data File is a major on-line file with 11,245 records

DATA CATEGORY NAME :Environmental quality - water quality
 GEOGRAPHIC COVERAGE :Statewide
 COMMENTS :The Water Quality File is a major on-line file with 10,930 data entries

DOCUMENTATION : "Comprehensive State Water Resources Information System Design Report" (January 1983)
 DATE OF INFORMATION :3/28/83
 PAPER FILE NUMBER :IA4-1

ORIGINAL PAGE IS
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CODE :ID001-01

STATE :ID
DATA BASE NAME :IDWR Image Analysis Facility
SUBJECT COVERAGE :Land use
GEOGRAPHIC COVERAGE :Ada and Canyon counties; Idaho Falls area, and Snake River Plain Aquifer lands
AGENCY :ID Department of Water Resources
RESPONDENT :Hal Anderson, Supervisor
Land and Water Use Data
ID Department of Water Resources
450 W. State Street
Boise, ID 83720
Telephone: 208-334-4492
OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager
Telephone: 208-344-3373
Ken Dunn, Director
Telephone: 208-344-4438

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
DEC PDP 11/34
IBM-PC
RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State Office Building (IBM 3033); Energy Division (IBM-PC)
OPERATION :Batch
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11
SYSTEM CAPACITY :Main memory: 256KB
Disc storage: 82MB
Simultaneous users supported: 12-15
LANGUAGE(S) :FORTRAN
Assembler
SPECIALIZED SOFTWARE :VICAR-IMIS
SYSTEM 511
PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover - water, cropland, residential, commercial/industrial, bare soil/rock/disturbed, basalt, rangeland, brush/shrubs, trees, burns, bottom lands/riparian, irrigated cropland
GEOGRAPHIC COVERAGE :Ada and Canyon counties, Idaho Falls area, and the Snake River Plain Aquifer lands

GEOGRAPHIC REFERENCE :Universal Transverse Mercator
MINIMUM RESOLUTION :1 acre; 40 acres
DATA STORAGE FORMAT :Grid, polygon, tabular
OUTPUT PRODUCTS :Tables, graphics, computer tape, statistical summaries, interactive video display capability
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :High
CLASSIFICATION :Modified Level II Anderson Land-Use Classification

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DOCUMENTATION :General information; descriptions of data encoding format/procedure, data types
DATE OF INFORMATION :6/13/83
PAPER FILE NUMBER :ID2-1

ORIGINAL PAGE IS
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10001-01

CODE :ID001-02

STATE	:ID	OUTPUT PRODUCTS	:Maps (1:100,000), interactive video display capability
DATA BASE NAME	:IDWR Image Analysis Facility/RASA	DATA SOURCES	:Primary
DATA BASE ACRONYM	:RASA	LEVEL OF RELIABILITY	:Unknown
SUBJECT COVERAGE	:Groundwater, irrigated acreage	CLASSIFICATION	:Irrigated (surface/groundwater/mixed) vs. non-irrigated
GEOGRAPHIC COVERAGE	:Big Lost River Basin	=====	
AGENCY	:ID Department of Water Resources	DOCUMENTATION	:General information; descriptions of data encoding format/procedure, data types
RESPONDENT	:Hal Anderson, Supervisor Land and Water Use Data ID Department of Water Resources 450 W. State Street Boise, ID 83720 Telephone: 208-334-4492	DATE OF INFORMATION	:6/13/83
OTHER CONTACTS	:Rob Spofford, Data Processing Systems Manager Telephone: 208-334-3373 :Ken Dunn, Director Telephone: 208-334-4438	PAPER FILE NUMBER	:ID2-2

COMPUTER FACILITIES

COMPUTER(S)	:IBM 3033 DEC PDP 11/34 IBM-PC
RESIDENCE	:In-house (DEC PDP 11/34); Auditor's Office, State Office Building; Energy Division (IBM-PC)
OPERATION	:Batch
GIS CAPABILITY	:Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM	:RSX-11
SYSTEM CAPACITY	:Main memory: 256KB Disc storage: 82MB Simultaneous users supported: 12-15
LANGUAGE(S)	:FORTRAN Assembler
SPECIALIZED SOFTWARE	:VICAR-IWIS SYSTEM 511
PERIPHERAL DEVICES	:Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Groundwater - irrigated acreage change detection in critical groundwater areas
GEOGRAPHIC COVERAGE	:Big Lost River Basin
GEOGRAPHIC REFERENCE	:Universal Transverso Mercator State Plane Coordinates
MINIMUM RESOLUTION	:0 acres

ORIGINAL PAGE IS
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CODE :ID001-03

STATE :ID
DATA BASE NAME :IDWRI Image Analysis Facility/Service-Source Areas
SUBJECT COVERAGE :Base data
GEOGRAPHIC COVERAGE :Snake River Plain Aquifer Lands and Cascade Resource Area
AGENCY :ID Department of Water Resources
RESPONDENT :Hal Anderson, Supervisor
Land and Water Use Data
ID Department of Water Resources
450 W. State Street
Boise, ID 83720
Telephone: 208-334-4492
OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager
Telephone: 208-334-3373
:Ken Dunn, Director
Telephone: 208-334-4438

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
DEC PDP 11/34
IBM-PC
RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State Office Building (IBM 3033); Energy Division (IBM-PC)
OPERATION :Batch
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11
SYSTEM CAPACITY :Main memory: 256KB
Disc storage: 82MB
Simultaneous users supported: 12-15
LANGUAGE(S) :FORTRAN
Assembler
:VICAR-IBIS
SPECIALIZED SOFTWARE :SYSTEM 511
PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data - irrigation district boundaries, groundwater source, surface water source, BLM grazing allotment boundaries
GEOGRAPHIC COVERAGE :Snake River Plain Aquifer Lands and Cascade Resource Area
GEOGRAPHIC REFERENCE :Latitude/longitude
UNIVERSAL TRANSVERSE MERCATOR
MINIMUM RESOLUTION :40 acres (Snake River Plain Aquifer Lands); 1 acre

DATA STORAGE FORMAT :Polygon, tabular
OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, interactive video display capability
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Unknown

DOCUMENTATION :General information; descriptions of data encoding format/procedure, data types
DATE OF INFORMATION :6/13/83
PAPER FILE NUMBER :ID2-3

ORIGINAL PAGE IS
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1D001-03



CODE :ID001-04

STATE :ID
 DATA BASE NAME :Cascade Resource Area Vegetation Analysis
 SUBJECT COVERAGE :Vegetation, agriculture, rangeland
 GEOGRAPHIC COVERAGE :Cascade Resource Area
 AGENCY :ID Department of Water Resources
 RESPONDENT :Hal Anderson, Supervisor
 Land and Water Use Data
 ID Department of Water Resources
 450 W. State Street
 Boise, ID 83720
 Telephone: 208-334-4492
 OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager
 Telephone: 208-334-3373
 :Ken Dunn, Director
 Telephone: 208-334-4438

MINIMUM RESOLUTION :1.1 acre (pixel)
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (1:24,000), tables, computer tape, statistical summaries, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Under evaluation
 CLASSIFICATION :In-house classification; 30 land cover categories in six strata

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DOCUMENTATION :General information; descriptions of data encoding format/procedure, data types
 DATE OF INFORMATION :6/13/83
 PAPER FILE NUMBER :ID2-4

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 DEC PDP 11/34
 IBM-PC
 RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State Office Building (IBM 3033); Energy Division (IBM-PC)
 OPERATION :Batch
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11
 SYSTEM CAPACITY :Main memory: 256KB
 Disc storage: 82MB
 Simultaneous users supported: 12-15
 LANGUAGE(S) :FORTRAN
 Assembler
 SPECIALIZED SOFTWARE :VICAR-1BIS
 SYSTEM 511
 PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation - communities, quality/condition, classification, rangeland classes on Columbia River basalts, rangeland classes on Idaho Formation sediments, irrigated agriculture, dryland agriculture, reservoirs, burned rangeland present (July 1980)
 GEOGRAPHIC COVERAGE :Cascade Resource Area
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator

ORIGINAL PAGE IS
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CODE :ID001-05

STATE :ID
 DATA BASE NAME :IDWR Image Analysis Facility/Wildlife Habitat
 SUBJECT COVERAGE :Vegetation classification
 GEOGRAPHIC COVERAGE :Soda Springs area in southeast Idaho; South Hills region below Twin Falls in southern Idaho
 AGENCY :ID Department of Water Resources
 RESPONDENT :Hal Anderson, Supervisor
 Land and Water Use Data
 ID Department of Water Resources
 450 N. State Street
 Boise, ID 83720
 Telephone: 208-334-4492
 OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager
 Telephone: 208-334-3373
 :Ken Dunn, Director
 Telephone: 208-334-4438

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 DEC PDP 11/34
 IBM-PC

RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State Office Building (IBM 3033); Energy Division (IBM-PC)

OPERATION :Batch
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11
 SYSTEM CAPACITY :Main memory: 256KB
 Disc storage: 82MB
 Simultaneous users supported: 12-15

LANGUAGE(S) :FORTRAN
 Assembler

SPECIALIZED SOFTWARE :VICAR-IBIS
 SYSTEM 511

PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - habitat, vegetation classification
 GEOGRAPHIC COVERAGE :Soda Springs area in southeast Idaho; South Hills region below Twin Falls in southern Idaho
 GEOGRAPHIC REFERENCE :Not geographically referenced
 MINIMUM RESOLUTION :1.1 acre (pixel)
 DATA STORAGE FORMAT :Grid

OUTPUT PRODUCTS :Tables, computer tape, statistical summaries, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Unknown

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DOCUMENTATION :General information; descriptions of data encoding format/procedure, data types
 DATE OF INFORMATION :6/13/83
 PAPER FILE NUMBER :102-5

ORIGINAL PAGE IS
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CODE :ID002-01

STATE :ID
DATA BASE NAME :Land Information and Mapping System
SUBJECT COVERAGE :Forest resources, base data, topography
GEOGRAPHIC COVERAGE :Statewide
AGENCY :ID Department of Lands
RESPONDENT :Ray Miller, Supervisor
Technical Services
ID Department of Lands
State Capitol Building
Boise, ID 83720
Telephone: 208-334-3816

GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :10 acres
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (2"=1 mile), composite mapping
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High

=====

USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :6/6/83
PAPER FILE NUMBER :ID4-1

COMPUTER FACILITIES

COMPUTER(S) :IDN 3033
RESIDENCE :Use central government computer center
OPERATION :Batch
GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
location, species, size, production, habitat, slope,
timber
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :10 acres
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (2"=1 mile), composite mapping
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuously
CLASSIFICATION :Timber type based on U.S. Forest Service classification

DATA CATEGORY NAME :Base data -
counties, townships
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :10 acres
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (2"=1 mile), composite mapping
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High

DATA CATEGORY NAME :Topography -
elevation, slope, aspect

ORIGINAL PAGE IS
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CODE :ID002-02

CODE :ID003-01

STATE :ID
 DATA BASE NAME :Private Land - Forest Protection List
 SUBJECT COVERAGE :Private ownership of forest lands
 GEOGRAPHIC COVERAGE :Privately owned forests statewide
 AGENCY :ID Department of Lands
 RESPONDENT :Ray Miller, Supervisor
 Technical Services
 ID Department of Lands
 State Capitol Building
 Boise, ID 83720
 Telephone: 208-334-3816

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Use central government computer center
 OPERATION :Batch
 GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
 private ownership, timber
 GEOGRAPHIC COVERAGE :Privately owned forest land statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :Site specific; by township; by county
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, computer tape, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuously
 CONFIDENTIALITY :Data access subject to authorization from Department Head

USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :6/6/83
 PAPER FILE NUMBER :ID4-2

STATE :ID
 DATA BASE NAME :Upper Snake River, ID History File
 SUBJECT COVERAGE :Surface water
 GEOGRAPHIC COVERAGE :Snake River and tributaries above Milner Dam (300+ sites)
 AGENCY :ID Department of Water Resources
 RESPONDENT :Alan C. Robertson, Supervisor
 Hydrology Section
 ID Department of Water Resources
 Statehouse
 Boise, ID 83720
 Telephone: 208-334-4485
 OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager
 Telephone: 208-334-3373

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Auditor's Office, State Office Building

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
 discharge/volume/stage, supply and storage, water rights, daily diversions
 GEOGRAPHIC COVERAGE :Snake River and tributaries above Milner Dam (300+ sites); Water District 1
 GEOGRAPHIC REFERENCE :Between stream gages
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Daily between April and October; diversions that occur in winter area also measured

USER FEES POLICY :No policy established
 DATE OF INFORMATION :6/13/83
 PAPER FILE NUMBER :ID6

ORIGINAL PAGE IS
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ID002-02
 ID003-01

CODE :1D004-01

OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Quarterly

STATE :ID
 DATA BASE NAME :Dam Inventory
 SUBJECT COVERAGE :Dam locations and descriptions
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :ID Department of Water Resources
 RESPONDENT :Dave Hollingshead, Supervisor
 Dam Safety Section
 ID Department of Water Resources
 450 W. State Street
 Boise, ID 83720
 Telephone: 208-334-4440
 OTHER CONTACTS :Rob Spofford, Data Processing Systems Manager
 Telephone: 208-334-3373

DOCUMENTATION :Description of data structure available
 USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :7/5/83
 PAPER FILE NUMBER :1D7

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 DEC PDP 11/34
 RESIDENCE :In-house (DEC PDP 11/34); Auditor's Office, State
 Office Building (IBM 3033)
 OPERATION :Batch

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX 11-M
 SYSTEM CAPACITY :Main memory: 256KB
 Disc storage 82MB
 Simultaneous users supported: 12-15
 LANGUAGE(S) :FORTRAN
 Assembler
 SPECIALIZED SOFTWARE :SYSTEM 511
 PERIPHERAL DEVICES :Conrac color monitor, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, 2 hard copy terminals, 6 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Dams -
 location, owner, dam height, crest length, structure type, spillway type, spillway depth, storage capacity, condition of dam, latest inspection, dam name, dam number, stream on which located, purpose of dam, hazard class, drainage area above dam, reservoir area, year completed, maximum spillway discharge, approval expiration
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 By drainage basin
 MINIMUM RESOLUTION :1 square mile
 DATA STORAGE FORMAT :Tabular

CODE :1D005-01

STATE :ID
DATA BASE NAME :ID Water Use Data System
DATA BASE ACRONYM :IWUDS
SUBJECT COVERAGE :Water use
GEOGRAPHIC COVERAGE :Statewide
AGENCY :ID Department of Water Resources
RESPONDENT :Ralph Nellin, Chief
Water Use Data Section
ID Department of Water Resources
Statehouse
Boise, ID 83720
Telephone: 208-334-4496

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/34
RESIDENCE :State data coordinating center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Water use -
Off-stream use categories - water use and related
data (amount of water withdrawn from surface and
ground water and amount of water to these waters)
to be reported:
agriculture, aquaculture, commercial, domestic,
industrial, irrigation, mining, power, recreation,
sewage treatment, water supplier (including pop-
ulation served)
In-stream use categories:
fishing, navigation, power, recreation and preser-
vation, water quality flows (if any)
Supporting data categories:
agricultural yield data by crop type, climatic data
(precipitation, temperature, evaporation, wind),
consumptive irrigation requirements data, economic
related water use data (water cost, projections),
flood prone areas, ground water (levels, water
yield location maps, well log data), land owner-
ship and water facilities, land cover and land use,
stream flow records, soil type and capacity, unique
land areas, water quality (STORET), wildlife (game
habitat)
Institutional categories (water related):
text material of water laws, regulations, and com-
pacts including federal and state; public opinion
surveys; water rights (recorded rights are on a
computerized file, court decreed water rights can
be added) (see 1B006-01 for water rights)

GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Hydrologic unit

DATA SOURCES :County
UPDATE FREQUENCY :Various water use and water source groupings
COMMENTS :Primary and secondary
:Continuous
:Climatic data accessible from NOAA, stream flow data
is direct access to USGS, water quality is direct
access to STORET

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DOCUMENTATION : "Idaho's Water Use Data System", Idaho Department of
Water Resources, November 1982.
DATE OF INFORMATION : 1/3/82
PAPER FILE NUMBER : IDS

ORIGINAL PAGE IS
OF POOR QUALITY

CODE :ID006-01

STATE :ID
DATA BASE NAME :Water Rights Data Bank
GEOGRAPHIC COVERAGE :Statewide
AGENCY :ID Department of Water Resources
RESPONDENT :Dave Tuthill, Supervisor
Water Allocation Section
ID Department of Water Resources
Statehouse
Boise, ID 83720
Telephone: 208-334-4104

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/34
IBM 3033
RESIDENCE :In-house (DEC PDP 11/34); ID State Auditor's Office
(IBM 3033)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Water rights -
name, address, source, tributary, date of priority,
type of use, season of use, rate of flow, annual
volume, point of diversion, place of use, special
remarks
GEOGRAPHIC COVERAGE :Statewide (approximately 70,000 water rights)
UPDATE FREQUENCY :Continuously
COMMENTS :Records available from 1903 to present

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DATE OF INFORMATION :1/14/83
PAPER FILE NUMBER :ID8

15
OF PAPER QUALITY
ORIGINAL PAGE

1D006-01

CODE :IL001-01

STATE :IL
DATA BASE NAME :Regional Climate Coordinating Office
DATA BASE ACRONYM :RCCO
SUBJECT COVERAGE :Historical and real-time climate/weather information and data
GEOGRAPHIC COVERAGE :North Central States (Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin)
STATUS :The Regional Climate Coordinating Office (RCCO) was established in September 1981 as part of a plan to develop a regional intergovernmental climate program within an existing institutional framework that includes data management and impact studies for a 12-state region. The RCCO is part of a 4-year project to 1) upgrade the climatic services within the North Central Region, and 2) demonstrate the feasibility of the regional approach for the provision of climate services. The funds for RCCO are provided by the National Climate Program Office and the State of Illinois
The primary purposes of the RCCO are to 1) improve the efficiency and effectiveness of the State Climate Centers, and 2) offer a means for all federal agencies involved in climate to have a focal point for communications and cooperation with the states. The major tasks or responsibilities of the RCCO are: 1) program management of projects and funds allocated from federal and other non-state sources for regional work; 2) management of regional climate data, special data networks, and the near real-time collection of climate data; 3) development, promotion, and coordination of regional climatic research and impact studies; and 4) liaison with federal, state, regional, and private groups within and outside the North Central Region.
AGENCY RESPONDENT :IL State Water Survey
:John L. Vogel, Director
Regional Climate Coordinating Office
IL State Water Survey Division
Department of Energy and Natural Resources
Water Resources Building
605 East Springfield Avenue
P.O. Box 5050, Station A
Champaign, IL 61820
Telephone: 217-333-4261

DOCUMENTATION :General information available
DATE OF INFORMATION :7/20/83
PAPER FILE NUMBER :IL11

ORIGINAL PAGE IS
OF POOR QUALITY

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather
GEOGRAPHIC COVERAGE :North Central States (Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin)

IL001-01

ORIGINAL PAGE IS
OF POOR QUALITY

CODE :IL002-01

COMMENTS

:Initial study completed in 1978

STATE :IL
DATA BASE NAME :IL Natural Areas Inventory
SUBJECT COVERAGE :Locations and descriptions of natural areas in Illinois
GEOGRAPHIC COVERAGE :Statewide
AGENCY :IL Department of Conservation
RESPONDENT :Carl Becker, Section Manager
Division of Forest Resources & Natural Heritage
IL Department of Conservation
Lincoln Tower Plaza
524 South Second Street
Springfield, IL 62706
Telephone: 217-785-8774

DOCUMENTATION :"Summary Report: Illinois Natural Areas Inventory"
USER FEES POLICY :No policy established
DATE OF INFORMATION :9/29/83
PAPER FILE NUMBER :IL10

COMPUTER FACILITIES

COMPUTER(S) :WANG 2200
RESIDENCE :In-house
OPERATION :Interactive
GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :WANG 2200T CPU; 2226 CRT/Keyboard console
SYSTEM CAPACITY :32K
LANGUAGE(S) :BASIC
PERIPHERAL DEVICES :Line printer, alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural areas -
ecological areas, endangered species habitats, relict
species habitats, geologic areas, natural study areas,
unique natural areas, aquatic areas, altitude, topog-
raphy, geologic formation, soil association, natural
community classification, natural quality, acreage,
plant community, ownership, use, management, preserva-
tion status, threat of destruction, species list,
vegetation sampling data
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
County
Topographic map
MINIMUM RESOLUTION :40 acres (quarter-quarter section)
DATA STORAGE FORMAT :Text, tabular
OUTPUT PRODUCTS :Reports, tables
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuous
CONFIDENTIALITY :Available to the public upon request
CLASSIFICATION :Natural Community Classification;
Natural Quality Classification

11002-01

CODE :IL003-01

STATE :IL
 DATA BASE NAME :IL Streams Information System
 DATA BASE ACRONYM :ISIS
 SUBJECT COVERAGE :Stream and station data
 GEOGRAPHIC COVERAGE :Songamon River Basin; statewide eventually
 STATUS :Under development
 AGENCY :IL Department of Conservation
 RESPONDENT :Gregg Tichacek, Resource Planner
 IL Department of Conservation
 Lincoln Tower Plaza
 524 South Second Street
 Springfield, IL 62706
 Telephone: 217-782-3884
 OTHER CONTACTS :Richard Westfall, Resource Planner
 :Address and phone same as above
 Robert B. Riley
 Department of Landscape Architecture
 University of IL, Room 214 Mumford Hall
 1301 West Gregory Drive
 Urbana, IL 61801
 Telephone: 219-333-0178

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 175
 RESIDENCE :University of IL - Urbana
 OPERATION :Batch and interactive
 GIS CAPABILITY :Partial (once the graphics package is completely developed they will be able to generate computer drawn maps of state - basin or individual watersheds down to 10 square miles drainage, and show linear and point data along a stream and over an entire basin, however this will be restricted to stream trace)

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :At ISIS headquarters at U of I: monochrome graphics CRT, tablet-free cursor digitizer, hard copy terminal, alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Streams -
 :water quality rating, drainage area, elevation, land cover, bankside vegetation, terrestrial animal species, threatened and endangered species, natural areas, historic sites, publicly owned land, access sites, recreation use, intrusions, station data
 GEOGRAPHIC COVERAGE :Songamon River Basin (Central IL); statewide eventually
 :Recreation and access site information will be state-

wide by Oct '83; Intrusion-discharge-location and type are being loaded presently statewide to be completed by Jan '84)
 :Public Land Survey
 :River Mile Index (RMI)
 :Station number
 :USEPA reach
 :0.1 mile along stream trace
 :10 square mile drainage basin
 :Tables, graphics, statistical summaries, interactive video display capability, computer tape, composite mapping of streams, modelling capability, maps - variable scale (soon)
 :Primary and secondary
 :high
 :Varies with data item
 :Raw fisheries and other data are protected by access codes
 :Station data taken directly from field surveys conducted by IL Department of Conservation, IL Environmental Protection Agency, IL Natural History Survey, IL State Water Survey, and US Geological Survey
 :Data base initiated in 1981; not yet complete
 :Water quality and quantity data are also in STORM, as is fish and invertebrate data

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DOCUMENTATION : "Introduction to ISIS", "ISIS User's Manual", "ISIS Data Description Manual", "ISIS Data Base Manual", "ISIS River Mile Index and Reference Manual"
 USER FEES POLICY :Once sufficient basins are on-line, they intend to provide both over the counter and subscriber services for a fee
 DATE OF INFORMATION :9/28/83
 PAPER FILE NUMBER :IL9

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OF POOR QUALITY

IL003-01

CODE :IL004-01

STATE :IL
DATA BASE NAME :IL Archaeological Sites Data Base
SUBJECT COVERAGE :Descriptions and locations of archaeological sites in Illinois
GEOGRAPHIC COVERAGE :Statewide
STATUS :Under development
AGENCY :IL State Museum
RESPONDENT :Mike Wiant
IL State Museum
#5, Old Capitol Plaza South
Springfield, IL 62706

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Archaeological sites
GEOGRAPHIC COVERAGE :Statewide
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuously
CONFIDENTIALITY :In-house use only

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DATE OF INFORMATION :8/1/83
PAPER FILE NUMBER :IL99

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IL004-01

CODE :IL005-01

STATE :IL
 DATA BASE NAME :IL Lands Unsuitable for Mining Information System
 SUBJECT COVERAGE :Climate/weather, demography, energy, geology, ground-water hydrology, surface water hydrology, land use, boundaries, soils data, vegetation, and wildlife

GEOGRAPHIC COVERAGE :Statewide
 STATUS :Under development. The Lands Unsuitable for Mining Program is being supported by five state agencies: the Natural History Survey, Geological Survey, Water Survey, State Museum and the Division of Energy and Environmental Affairs (all divisions of the Illinois Department of Energy and Natural Resources). The Natural History Survey is the lead agency.

At this time, a 1:500,000-scale data base is being developed for select features statewide. Detailed data for surface-minable areas in Illinois (approximately 10,000 square miles) has been proposed for entry at a scale of 1:62,500, including data on coal/lignite resources, water body types, stream orders, land cover (forests, water, cropland, pasture, urban/built-up), land use (timber, cropland, transportation, urban/built-up, recreation, parks, unique areas, historical and archaeological sites), soils types, and vegetation communities.

AGENCY RESPONDENT :IL Natural History Survey
 :Colin Treworgy, Systems Analyst
 :IL Natural History Survey
 Department of Energy and Natural Resources
 Natural Resources Building
 607 East Peabody Drive
 Champaign, IL 61820
 Telephone: 217-533-8907
 OTHER CONTACTS :Warren Brigham
 Lands Unsuitable Project Manager
 :Paul Kissner, Chief
 :IL Natural History Survey
 Telephone: 217-333-6830

COMPUTER FACILITIES

COMPUTER(S) :PRIME 750
 IBM 4341
 CDC CYBER 175
 RESIDENCE :In-house and at the University of Illinois
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS
 SYSTEM CAPACITY :Main memory: 3MB
 Disc storage: 600MB
 Simultaneous users supported: 32
 LANGUAGE(S) :FORTRAN
 SPECIALIZED SOFTWARE :ARC/INFO (ESRI)
 ELAS (NASA)
 INFO (NENCO)
 Minitabs
 MUSE (word processing package)
 PERIPHERAL DEVICES :4 monochrome graphics CRTs, 3 color graphics CRTs,
 5 Calcomp digitizers, line printer, drum pen plotter, 5 alphanumeric CRTs (equipment distributed between five offices in two cities)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather - rainfall, wind, exposure, evapotranspiration, temperature, snowfall/snow depth
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 Public Land Survey
 State Plane Coordinates
 MINIMUM RESOLUTION :1 square mile
 DATA STORAGE FORMAT :Arc/node, coordinate point, tabular
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Daily
 COMMENTS :Source data are collected daily, but data base only contains information on station location and type of data collected; specific data can be interfaced with this on an as-needed basis

DATA CATEGORY NAME :Demography - populations, economic aspects
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :By county, by township
 DATA STORAGE FORMAT :Coordinate point, tabular
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Every 10 years

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IL005-01

DATA CATEGORY NAME		DATA CATEGORY NAME	
GEOGRAPHIC COVERAGE	GEOGRAPHIC REFERENCE	GEOGRAPHIC COVERAGE	GEOGRAPHIC REFERENCE
MINIMUM RESOLUTION	:Energy - coal/lignite resources, transmission	MINIMUM RESOLUTION	:Surface water hydrology - quality, water body type, watershed boundaries, floodplains, flood prone areas, stream orders
DATA STORAGE FORMAT	:Statewide	DATA STORAGE FORMAT	:Statewide
OUTPUT PRODUCTS	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates	OUTPUT PRODUCTS	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates
DATA SOURCES	:1 square mile	DATA SOURCES	:1 square mile; site specific
LEVEL OF RELIABILITY	:Arc/node, coordinate point, tabular	LEVEL OF RELIABILITY	:Arc/node, coordinate point, tabular
UPDATE FREQUENCY	:Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability	UPDATE FREQUENCY	:Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability
	:Primary		:Primary
	:High		:High
	:Every 5 years		:Variable
			:Some data routinely supplied to the Environmental Protection Agency's STORET data base
DATA CATEGORY NAME		DATA CATEGORY NAME	
GEOGRAPHIC COVERAGE		GEOGRAPHIC COVERAGE	
GEOGRAPHIC REFERENCE		GEOGRAPHIC REFERENCE	
MINIMUM RESOLUTION	:Geology - physiography, surficial geology, bedrock geology, exploration/extraction, records of borings	MINIMUM RESOLUTION	:Land Use - transportation, recreation, parks, unique areas
DATA STORAGE FORMAT	:Statewide	DATA STORAGE FORMAT	:Statewide
OUTPUT PRODUCTS	:Not yet decided	OUTPUT PRODUCTS	:Latitude/longitude
DATA SOURCES	:1 square mile; site specific (borings)	DATA SOURCES	:Universal Transverse Mercator
LEVEL OF RELIABILITY	:Arc/node, coordinate point, tabular	LEVEL OF RELIABILITY	:Public Land Survey
UPDATE FREQUENCY	:Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display	UPDATE FREQUENCY	:State Plane Coordinates
CLASSIFICATION	:Primary	CLASSIFICATION	:1 square mile
	:High		:Arc/node, coordinate point, tabular
	:Monthly (borings); Irregular (other data types)		:Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display
	:USGS Stratigraphic Nomenclature, North American Stratigraphic Code		:Secondary
			:Moderate
			:Unknown
DATA CATEGORY NAME		DATA CATEGORY NAME	
GEOGRAPHIC COVERAGE		GEOGRAPHIC COVERAGE	
GEOGRAPHIC REFERENCE		GEOGRAPHIC REFERENCE	
MINIMUM RESOLUTION	:Groundwater hydrology - quantity, quality, discharge/pumpage	MINIMUM RESOLUTION	:Boundaries - state, counties, townships, watersheds
DATA STORAGE FORMAT	:Statewide	DATA STORAGE FORMAT	:Statewide
OUTPUT PRODUCTS	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates	OUTPUT PRODUCTS	:Latitude/longitude
DATA SOURCES	:1 square mile; site specific	DATA SOURCES	:Universal Transverse Mercator
LEVEL OF RELIABILITY	:Arc/node, coordinate point, tabular	LEVEL OF RELIABILITY	:Public Land Survey
UPDATE FREQUENCY	:Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability	UPDATE FREQUENCY	:State Plane Coordinates
	:Primary and secondary		:Data are accurate to within 200'
	:High		:Arc/node, coordinate point, tabular
	:Variable		:Maps (variable scale), modelling capability, statistical summaries, composite mapping, interactive video display capability
			:Primary
			:High
			:Annually

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DATA CATEGORY NAME	:Soils data - association, capability class	OUTPUT PRODUCTS	:Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability
GEOGRAPHIC COVERAGE	:Statewide	DATA SOURCES	:Primary
GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates	LEVEL OF RELIABILITY	:Moderate
MINIMUM RESOLUTION	:1 square mile	UPDATE FREQUENCY	:Annually; every 5 years; every 10 years
DATA STORAGE FORMAT	:Arc/node, coordinate point, tabular		
OUTPUT PRODUCTS	:Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display		
DATA SOURCES	:Secondary	DOCUMENTATION	:Will be available in 1984
LEVEL OF RELIABILITY	:Moderate	USER FEES POLICY	:No policy established
UPDATE FREQUENCY	:Irregular	DATE OF INFORMATION	:7/14/83
PAPER FILE NUMBER			:114
DATA CATEGORY NAME	:Vegetation - species, communities, rare, endangered, natural divisions, ecoregions, 1820 forest/prairie distribution, potential natural vegetation, vegetation divisions		
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates		
MINIMUM RESOLUTION	:By county; 1 square mile		
DATA STORAGE FORMAT	:Arc/node, coordinate point, tabular		
OUTPUT PRODUCTS	:Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability		
DATA SOURCES	:Primary and secondary		
LEVEL OF RELIABILITY	:Moderate		
UPDATE FREQUENCY	:Annually (collection information); seldom (other data types)		
DATA CATEGORY NAME	:Wildlife - game (mammals), game (fish), non-game (mammals), non-game (fish), non-game (marine/estuarial), non-game (reptiles/amphibians), habitat, threatened, endangered		
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates		
MINIMUM RESOLUTION	:By county; 1 square mile; site specific		
DATA STORAGE FORMAT	:Arc/node, coordinate point, tabular		

CODE :IL006-01

STATE :IL
 DATA BASE NAME :Coal Resource and Mining Data Files
 SUBJECT COVERAGE :Coal and mining data
 GEOGRAPHIC COVERAGE :IL Basin Coal Field
 STATUS :Data base consists of the following files:
 Coal Resource Data
 Mine Information File
 Mine Mined-out Areas
 Mine Subsidence Insurance Data
 Also:
 ILLIMAP Base Map
 These files will be maintained on the IL Lands Unsuitable for Mining Information System (see IL005-01)
 AGENCY RESPONDENT :IL State Geological Survey
 :Paul Dubontelle, Geologist and Head, Engineering
 Geology Section
 IL State Geological Survey
 Department of Energy and Natural Resources
 121 Natural Resources Building
 615 East Peabody Drive
 Champaign, IL 61820
 Telephone: 217-333-5114
 OTHER CONTACTS :Dr. Morris Leighton, Chief
 Telephone: 217-344-1481
 Lyndal H. VanDyke, Head, Computer Services
 Telephone: 217-333-5102

COMPUTER FACILITIES

COMPUTER(S) :INSAL
 ALTAIR
 APPLE
 IBM-PC
 DEC PDP 11/34
 IBM 4341
 CYBER 194
 CYBER 195
 RESIDENCE :In-house (PDP 11/34 & 11/10);
 University of IL Digital Computer Lab (IBM 4341
 CYBER 194 & 195)
 OPERATION GIS CAPABILITY :Batch and Interactive
 :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on Remote Job Entry system
 SYSTEM CAPACITY :Main memory: 256K
 Disc Storage: 288B drive + two 5MB drives
 Simultaneous users supported: 10
 LANGUAGE(S) :FORTRAN
 Assembler

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PERIPHERAL DEVICES

BASIC
ILLIMAP
 :Monochrome graphics CRT, tablet-free cursor
 digitizers (2), line printer (character graphics)
 dot matrix printer with graphics, drum pen plotter
 (2), alphanumeric CRT's (14), small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Mining -
 coal resources, mine information, mined-out areas,
 mine subsidence insurance data
 GEOGRAPHIC COVERAGE :IL Basin Coal Field (most of the state, area excludes
 about the northern fifth of the state and parts of
 the eastern border and the southern tip)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Ownership unit, county, site specific
 DATA STORAGE FORMAT :Polygon, coordinate point, tabular
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical
 summaries
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Monthly, annually, or as area studies are completed
 CONFIDENTIALITY :Some files which indicate company resources, and
 mine maps; some insurance information
 COMMENTS :Data is supplied to USGS CRIB. These data will be
 maintained on the Lands Unsuitable for Mining Infor-
 mation System, now under development (see IL005-01)

DATA CATEGORY NAME :Boundaries -
 state, counties, townships, ILLIMAP
 GEOGRAPHIC COVERAGE :IL Basin Coal Field (most of the state, excludes
 the northern fifth of the state, the eastern
 boundary, and the southern tip)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 DATA STORAGE FORMAT :Polygon, coordinate point, tabular
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries
 DATA SOURCES :Primary
 COMMENTS :These data will be maintained on the Lands Unsuitable
 for Mining Information System, now under development
 (see IL005-01) For further information on ILLIMAP,
 see IL007-04

 USER FEES POLICY :Services and products available at no charge; however,
 charges may be made for contract publications.
 DATE OF INFORMATION :8/12/83
 PAPER FILE NUMBER :IL12

IL006-01

CODE :IL006-02

STATE :IL
 DATA BASE NAME :Landslide Information File
 SUBJECT COVERAGE :Information on landslides occurring in IL.
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :IL State Geological Survey
 RESPONDENT :Paul DuMontelle, Geologist and Head,
 Engineering Geology Section
 IL State Geological Survey Division
 IL Department of Energy and Natural Resources
 121 Natural Resources Building
 615 East Peabody Drive
 Champaign, IL 61820
 Telephone: 217-333-5114
 Dr. Morris Leighton, Chief
 Telephone: 217-344-1481
 Lyndal VanDyke, Head, Computer Services
 Telephone: 217-333-5102

COMPUTER FACILITIES

COMPUTER(S) :INSAI
 ALTAIR
 APPLE II
 IBM PC
 DEC PDP 11/34
 IBM 4341
 CDC CYBER 194
 CDC CYBER 195
 RESIDENCE :In-house (PDP 11/34 & 11/10)
 University of IL Digital Computer Lab (IBM 4341,
 Cyber 194 & 195)
 OPERATION :Batch and interactive
 CIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system
 SYSTEM CAPACITY :Main memory: 256K
 Disc Storage: 28 MB drive and two 5 MB drives
 Simultaneous users supported: 10
 LANGUAGE(S) :FORTRAN
 Assembler
 BASIC
 SPECIALIZED SOFTWARE :ILLINAP (see IL007-04)
 PERIPHERAL DEVICES :Nonochrome graphics CRT, tablet-free cursor digitizers (2), line printer (character graphics), dot matrix printer with graphics, small flatbed pen plotter, drum pen plotter (2), alphanumeric CRT's (14)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Natural disasters - engineering information summary file for projects in IL: description of landslide (size, cause, type, active or inactive), economic aspects, surficial and bedrock geology, relief, erosion
GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Public Land Survey County Street Address & Zip Code
MINIMUM RESOLUTION	:Site specific
DATA STORAGE FORMAT	:Tubular
OUTPUT PRODUCTS	:Summary data
DATA SOURCES	:Primary and secondary
UPDATE FREQUENCY	:Continuously
COMMENTS	:Data is supplied to USGS as a 1:500,000 scale map)

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DOCUMENTATION :"Landslide Information Report Form"
 USER FEES POLICY :No, products and services available at no charge, but charges may be made for contract publications
 DATE OF INFORMATION :9/7/83
 PAPER FILE NUMBER :IL12-2

CODE :IL007-01

STATE :IL
DATA BASE NAME :Miners Data Base
SUBJECT COVERAGE :Black shale and natural gas energy resources in IL
GEOGRAPHIC COVERAGE :The southern two-thirds of the state, where black shale occurs in the IL Basin
AGENCY :IL State Geological Survey
RESPONDENT :Lyndal VanDyke, Head, Computer Services
IL State Geological Survey Division
Department of Energy and Natural Resources
121 Natural Resources Building
615 East Peabody Drive
Champaign, IL 61820
Telephone: 217-333-5102

COMPUTER FACILITIES

COMPUTER(S) :IMSAI
:ALTAIR
:APPLE II
:IBM PC
:DEC PDP 11/34
:IBM 4341
:CDC CYBER 194
:CDC CYBER 195
RESIDENCE :In-house (DEC PDP 11/34 & 11/10) and University of IL Digital Computer Lab (IBM 4341, CDC Cyber 194 & 195)
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system
SYSTEM CAPACITY :Main memory: 256K
Disc storage: 28 MB drive and two 5 MB drives
Simultaneous users supported: 10
LANGUAGE(S) :FORTRAN
Assembler
BASIC
SPECIALIZED SOFTWARE :ILLIMAP (see IL007-04)
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free digitizers (2), line printer (character graphics), dot matrix printer with graphics, small flatbed pen plotter, drum pen plotters (2), alphanumeric CRT's (14)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy - resources - natural gas, black shale
GEOGRAPHIC COVERAGE :The portion of the IL Basin covered by black shale

GEOGRAPHIC REFERENCE
MINIMUM RESOLUTION
DATA STORAGE FORMAT
OUTPUT PRODUCTS
DATA SOURCES
LEVEL OF RELIABILITY
UPDATE FREQUENCY

shale (approximately the southern 2/3's of the state)
:Public Land Survey
Lambert conic
:Study covered IL Basin but well data located within 200 feet of actual ground position
:Coordinate point
:Computer tape, publication
:Secondary
:High
:Update not anticipated

USER FEES POLICY :Products and services available at no charge, but this may change by 1/1/85
DATE OF INFORMATION :9/12/83
PAPER FILE NUMBER :ILI4-1

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IL007-01

CODE :IL007-02

STATE :IL
 DATA BASE NAME :Waterflood Oil Production Data Base
 SUBJECT COVERAGE :Oil resources and production by waterflood in IL
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :IL State Geological Survey
 RESPONDENT :Lyndai VanDyke, Head, Computer Services
 IL State Geological Survey Division
 Department of Energy and Natural Resources
 121 Natural Resources Building
 615 East Peabody Drive
 Champaign, IL 61820
 Telephone: 217-333-5102

COMPUTER FACILITIES

COMPUTER(S) :IMSAI
 :ALTAIR
 :APPLE II
 :IBM PC
 :DEC PDP 11/34
 :IBM 4341
 :CDC CYBER 194
 :CDC CYBER 195
 RESIDENCE :In-house (DEC PDP 11/34 & 11/10) and
 University of IL Digital Computer Lab
 (IBM 4341, CDC CYBER 194 & 195)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system
 SYSTEM CAPACITY :Main memory: 256K
 Disc storage: 28 MB drive and two 5 MB drives
 Simultaneous users supported: 10
 LANGUAGE(S) :FORTRAN
 Assembler
 BASIC
 SPECIALIZED SOFTWARE :ILLINMAP (see IL007-04)
 PERIPHERAL DEVICES :Nonochrome graphics CRT, tablet-free cursor digitizers (2), line printer (character graphics), dot matrix printer with graphics, small flatbed pen plotter, drum pen plotters (2), alphanumeric CRT's (14)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
 resources - oil, oil production by waterflood
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey

MINIMUM RESOLUTION :10 acres
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Annual publication of oil production data from waterflood operations
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Annually
 COMMENTS :Data is supplied to the Oil Information Center, Norman, OK; last updated 1981

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USER FEES POLICY :Products and services available at no charge, but this may change by 1/1/85.

DATE OF INFORMATION :9/12/83
 PAPER FILE NUMBER :IL14-2

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IL007-02

CODE :IL007-03

STATE :IL
 DATA BASE NAME :Basic Well Data
 SUBJECT COVERAGE :Coal, natural gas and oil well data for IL
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Data base will be included in the IL Lands
 Unsuitable for Mining Data Base (see IL005-01)
 AGENCY :IL State Geological Survey
 RESPONDENT :Lyndal VanDyke, Head, Computer Services
 IL State Geological Survey Division
 Department of Energy and Natural Resources
 121 Natural Resources Building
 615 East Peabody Drive
 Champaign, IL 61820
 Telephone: 217-333-5102

COMPUTER FACILITIES

COMPUTER(S) :INSAI
 :ALTAIR
 :APPLE II
 :ION PC
 :DEC PDP 11/34
 :IBM 4341
 :CDC CYBER 194
 :CDC CYBER 195
 RESIDENCE :In-house (CED PDP 11/34 & 11/10) and
 University of IL Digital Computer Lab
 (IBM 4341, CDC CYBER 194 & 195)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system
 SYSTEM CAPACITY :Main memory: 256K
 Disc storage: 28 MB drive and two 5 MB drives
 Simultaneous users supported: 10
 LANGUAGE(S) :FORTRAN
 Assembler
 BASIC
 SPECIALIZED SOFTWARE :ILLINAP (see IL007-04)
 PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digitizers (2), line printer (character graphics), dot matrix printer with graphics, small flatbed pen plotter, drum pen plotters (2), alphanumeric CRT's (14)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
 resources: coal/lignite, natural gas, oil

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 Lambert coordinates
 MINIMUM RESOLUTION :Located to the foot, but allow 200 feet error
 in the data base
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuously (data); data base will be updated
 twice a year, hopefully
 COMMENTS :This data base will be included in the IL Lands
 Unsuitable for Mining Data Base which is under
 development (see IL005-01).
 =====

USER FEES POLICY :Products and services available at no charge, but
 this may change by 1/1/85.
 DATE OF INFORMATION :9/12/83
 PAPER FILE NUMBER :IL14-3

ORIGINAL PAGE IS
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IL007-03

CODE :IL007-04

STATE :IL
DATA BASE NAME :ILLIMAP
SUBJECT COVERAGE :A computer-based mapping system for IL, includes boundaries and base-line data
GEOGRAPHIC COVERAGE :Statewide
STATUS :Will be included in the IL Lands Unsuitable for Mining Data Base (see IL005-01)
AGENCY :IL State Geological Survey
RESPONDENT :Lyndal VanDyke, Head, Computer Services
IL State Geological Survey Division
Department of Energy and Natural Resources
121 Natural Resources Building
615 East Peabody Drive
Champaign, IL 61820

COMPUTER FACILITIES

COMPUTER(S) :INSAI
:ALTAIR
:APPLE II
:IBM PC
:DEC PDP 11/34
:IBM 4341
:CDC CYBER 194
:CDC CYBER 195
RESIDENCE :In-house (PDP 11/34 & 11/10) and University of IL Digital Computer Lab (IBM 4341, CDC CYBER 194 & 195)
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M and RT11 on RJE system
SYSTEM CAPACITY :Main memory: 256K
Disk storage: 28 MB drive and two 5 MB drives
Simultaneous users supported: 10
LANGUAGE(S) :FORTRAN
Assembler
BASIC
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digitizers (2), line printer (character graphics), dot matrix printer with graphics, small flatbed pen plotter, drum pen plotters (2), alphanumeric CRT's (14)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries - state, counties, townships, coordinates
GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Public Land Survey
Lambert coordinates
MINIMUM RESOLUTION :Values are calculated to the foot
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, computer tape
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :As errors are found
COMMENTS :Will be included in the IL Lands Unsuitable for Mining Data Base (see IL005-01)

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DOCUMENTATION :ISGS Circular 451, "ILLIMAP - A Computer-Based Mapping System for Illinois", 1970
USER FEES POLICY :Products and services available at no charge, but this may change by 1/1/85.
DATE OF INFORMATION :9/12/83
PAPER FILE NUMBER :IL14-4

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IL007-04

CODE : IL008-01

STATE	: IL	MINIMUM RESOLUTION	: 10 acres, 640 acres, township, county, management unit, ownership unit																
DATA BASE NAME	: Ground Water Quality Data Base	DATA STORAGE FORMAT	: Tabular, presently in STORET format																
SUBJECT COVERAGE	: Ground water quality and discharge data for the State of Illinois	OUTPUT PRODUCTS	: Computer tape, presently self programmed access																
GEOGRAPHIC COVERAGE	: Statewide, but variable based on ground water use	DATA SOURCES	: Primary and secondary																
STATUS	: A project has just begun in which the data base is to be reviewed, corrected where possible, flagged for reliability, and perhaps restructured; A version of the data base will reside on the Lands Unsuitable for Mining Information System (see IL005-01).	LEVEL OF RELIABILITY	: Moderate to low, but expect to improve on reliability																
AGENCY		UPDATE FREQUENCY	: Every two to six months, as volume dictates																
RESPONDENT	: IL State Water Survey Susan Schock, Hydrologic Data Analyst Department of Energy and Natural Resources 605 East Springfield Avenue PO Box 5050, Station A Champaign, IL 61820 Telephone: 217-333-9042	CONFIDENTIALITY	: Permission of Section Head needed for use of data base																
OTHER CONTACTS	: James Gibb, Chief, Groundwater Section Telephone: 217-333-0236	COMMENTS	: Data is supplied to STORET																
=====																			
<p>COMPUTER FACILITIES</p> <table border="0"> <tbody> <tr> <td>COMPUTER(S)</td> <td>: IBM 4341 CDC CYBER 174 CDC CYBER 175 PRIME DEC VAX 1170</td> <td>DOCUMENTATION</td> <td>: Documentation on data structure will be updated in Spring or Summer of 1984, documentation on data encoding format/ procedure will become available in 1984</td> </tr> <tr> <td>RESIDENCE</td> <td>: University of Illinois (CYBER 174 & 175, IBM 4341); In-house (will have a DEC VAX 1170 in Spring, 1984); Lands Unsuitable for Mining Program (PRIME)</td> <td>USER FEES POLICY</td> <td>: No policy has been established; some users may be charged in the future</td> </tr> <tr> <td>OPERATION</td> <td>: Batch and Interactive (not automatic, cumbersome at present, to be improved)</td> <td>DATE OF INFORMATION</td> <td>: 9/19/83</td> </tr> <tr> <td>GIS CAPABILITY</td> <td>: No</td> <td>PAPER FILE NUMBER</td> <td>: IL17-1</td> </tr> </tbody> </table>				COMPUTER(S)	: IBM 4341 CDC CYBER 174 CDC CYBER 175 PRIME DEC VAX 1170	DOCUMENTATION	: Documentation on data structure will be updated in Spring or Summer of 1984, documentation on data encoding format/ procedure will become available in 1984	RESIDENCE	: University of Illinois (CYBER 174 & 175, IBM 4341); In-house (will have a DEC VAX 1170 in Spring, 1984); Lands Unsuitable for Mining Program (PRIME)	USER FEES POLICY	: No policy has been established; some users may be charged in the future	OPERATION	: Batch and Interactive (not automatic, cumbersome at present, to be improved)	DATE OF INFORMATION	: 9/19/83	GIS CAPABILITY	: No	PAPER FILE NUMBER	: IL17-1
COMPUTER(S)	: IBM 4341 CDC CYBER 174 CDC CYBER 175 PRIME DEC VAX 1170	DOCUMENTATION	: Documentation on data structure will be updated in Spring or Summer of 1984, documentation on data encoding format/ procedure will become available in 1984																
RESIDENCE	: University of Illinois (CYBER 174 & 175, IBM 4341); In-house (will have a DEC VAX 1170 in Spring, 1984); Lands Unsuitable for Mining Program (PRIME)	USER FEES POLICY	: No policy has been established; some users may be charged in the future																
OPERATION	: Batch and Interactive (not automatic, cumbersome at present, to be improved)	DATE OF INFORMATION	: 9/19/83																
GIS CAPABILITY	: No	PAPER FILE NUMBER	: IL17-1																
<p>IN-HOUSE FACILITIES</p> <table border="0"> <tbody> <tr> <td>PERIPHERAL DEVICES</td> <td>: Monochrome graphics CRT, line printer (character graphics), drum pen plotter, hard copy terminal, alphanumeric CRT's (2-6); will have a dot matrix printer with graphics in Spring of 1984</td> </tr> </tbody> </table>				PERIPHERAL DEVICES	: Monochrome graphics CRT, line printer (character graphics), drum pen plotter, hard copy terminal, alphanumeric CRT's (2-6); will have a dot matrix printer with graphics in Spring of 1984														
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<p>DESCRIPTION OF DATA CATEGORIES</p> <table border="0"> <tbody> <tr> <td>DATA CATEGORY NAME</td> <td>: Groundwater - water quality, non-point pollution, discharge/ pumping, well location</td> </tr> <tr> <td>GEOGRAPHIC COVERAGE</td> <td>: Statewide, but mainly in the northern third and eastern border of the state, due to variability in ground water use</td> </tr> <tr> <td>GEOGRAPHIC REFERENCE</td> <td>: Public Land Survey Latitude/longitude (fev)</td> </tr> </tbody> </table>				DATA CATEGORY NAME	: Groundwater - water quality, non-point pollution, discharge/ pumping, well location	GEOGRAPHIC COVERAGE	: Statewide, but mainly in the northern third and eastern border of the state, due to variability in ground water use	GEOGRAPHIC REFERENCE	: Public Land Survey Latitude/longitude (fev)										
DATA CATEGORY NAME	: Groundwater - water quality, non-point pollution, discharge/ pumping, well location																		
GEOGRAPHIC COVERAGE	: Statewide, but mainly in the northern third and eastern border of the state, due to variability in ground water use																		
GEOGRAPHIC REFERENCE	: Public Land Survey Latitude/longitude (fev)																		

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CODE :IL009-01

STATE :IL
 DATA BASE NAME :Ambient Lakes Database
 SUBJECT COVERAGE :Surface water quality data
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :These data on lakes are supplied to STORET. Other data of IL EPA: stream and special survey data are stored in the STORET system; ambient stream data is also stored by cooperative agreement with USGS in the WATSTORE system.
 AGENCY RESPONDENT :IL Environmental Protection Agency
 :John Little, E. P. Specialist
 :IL Environmental Protection Agency
 :2200 Churchill Road
 :Springfield, IL 62706
 :Telephone: 217-782-3362
 OTHER CONTACTS :Jill Hardin, E. P. Specialist
 :Telephone: 217-782-3362
 :Eugene F. Seabald, P.E., Manager, Water Pollution Control
 :Telephone: 217-782-1654

LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Annual
 CLASSIFICATION :
 COMMENTS :Carlson's trophic state index
 :Data is supplied to USEPA - STORET

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DOCUMENTATION :Available on software and data structure
 USER FEES POLICY :Products and services are available at no charge
 DATE OF INFORMATION :8/31/83
 PAPER FILE NUMBER :IL15

COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4052
 :TEKTRONIX 4054
 :CYBER
 RESIDENCE :In-house
 :University of IL (CYBER)
 :STORET
 OPERATION :Batch and interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :TEKTRONIX
 SYSTEM CAPACITY :Main memory: 64,000 bytes
 :Disc storage: 1.20 megabytes
 :Simultaneous users supported: 1
 LANGUAGE(S) :BASIC
 SPECIALIZED SOFTWARE :TEKTRONIX PLOT50
 PERIPHERAL DEVICES :Monochrome graphics CRT's (2), tablet-free cursor digitizer, line printer (character graphics), hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water - quality, return flows
 GEOGRAPHIC COVERAGE :Statewide
 CHOROGRAPHIC REFERENCE :Lake
 MINIMUM RESOLUTION :Site specific
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries
 DATA SOURCES :Primary

CODE :IN001-01

STATE :IN
 DATA BASE NAME :Model Implementation Project Data Base
 SUBJECT COVERAGE :Climate/weather, demography, energy, environmental quality, geology, ground and surface waters, land cover, boundaries, soils data, topography, vegetation, and wildlife
 GEOGRAPHIC COVERAGE :Eagle Creek and Stotts Creek Watersheds (150,000 acres in central IN)
 AGENCY :Butler University
 RESPONDENT :Richard F. Hyde, Director, REA Program
 Holcomb Research Institute
 Butler University
 4600 Sunset Avenue
 Indianapolis, IN 46208
 Telephone: 317-283-9555
 OTHER CONTACTS :Darrel Fischel, Business Manager
 Telephone: 317-283-9421
 :Nicholas Vesper, Director, University Computing
 Telephone: 317-283-9420

COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/780
 RESIDENCE :University Computer Center
 OPERATION :Batch
 GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather - rainfall, wind, evapotranspiration, temperature
 GEOGRAPHIC COVERAGE :Two watersheds in central IN:
 Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties)
 Stotts Creek Watershed (parts of Monroe and Brown Counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Ad hoc grid
 DATA STORAGE FORMAT :5 acres
 OUTPUT PRODUCTS :Grid
 DATA SOURCES :Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :High
 :Seasonally
 DATA CATEGORY NAME :Demography - populations, social aspects, economic aspects
 GEOGRAPHIC COVERAGE :Two watersheds in Central IN:

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Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties)
 Stotts Creek Watershed (parts of Monroe and Brown Counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Ad hoc grid
 DATA STORAGE FORMAT :5 acres
 OUTPUT PRODUCTS :Grid
 DATA SOURCES :Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Varies
 DATA CATEGORY NAME :Energy - resources - coal/lignite, natural gas, oil, transmission
 GEOGRAPHIC COVERAGE :Two watersheds in Central IN:
 Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties)
 Stotts Creek Watershed (parts of Monroe and Brown Counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Ad hoc grid
 DATA STORAGE FORMAT :5 acres
 OUTPUT PRODUCTS :Grid
 DATA SOURCES :Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Varies
 CLASSIFICATION :Anderson
 DATA CATEGORY NAME :Environmental quality - water quality, hazardous wastes, point pollution, non-point pollution (agricultural), best management practices affecting water quality
 GEOGRAPHIC COVERAGE :Two watersheds in Central IN:
 Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties)
 Stotts Creek Watershed (parts of Monroe and Brown Counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Ad hoc grid
 DATA STORAGE FORMAT :5 acres
 OUTPUT PRODUCTS :Grid
 DATA SOURCES :Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape

IN001-01

DATA SOURCES	:Primary and secondary	Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties)
LEVEL OF RELIABILITY	:Varies	Scotts Creek Watershed (parts of Monroe and Brown Counties)
UPDATE FREQUENCY	:Varies	
CLASSIFICATION	:Anderson	
DATA CATEGORY NAME	:Geology - physiography, surficial geology, bedrock geology, exploration/extraction	
GEOGRAPHIC COVERAGE	:Two watersheds in Central IN: Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties) Scotts Creek Watershed (parts of Monroe and Brown Counties)	
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid	
MINIMUM RESOLUTION	:5 acres	
DATA STORAGE FORMAT	:Grid	
OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape	
DATA SOURCES	:Primary and secondary	
LEVEL OF RELIABILITY	:Varies	
UPDATE FREQUENCY	:Varies	
CLASSIFICATION	:Anderson	
DATA CATEGORY NAME	:Groundwater - quantity, quality, well location, aquifers	
GEOGRAPHIC COVERAGE	:Two watersheds in Central IN: Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties) Scotts Creek Watershed (parts of Monroe and Brown Counties)	
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid	
MINIMUM RESOLUTION	:5 acres	
DATA STORAGE FORMAT	:Grid	
OUTPUT PRODUCTS	:Maps - variable scale, maps - one scale only, tables, graphics, modelling capability, statistical summaries, composite mapping, computer tape	
DATA SOURCES	:Secondary	
LEVEL OF RELIABILITY	:Varies	
UPDATE FREQUENCY	:Varies	
DATA CATEGORY NAME	:Surface water - discharge/volume/stage, quality, watershed boundaries, floodplains, flood prone areas, stream orders, runoff	
GEOGRAPHIC COVERAGE	:Two watersheds in Central IN:	
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid	
MINIMUM RESOLUTION	:5 acres	
DATA STORAGE FORMAT	:Grid	
DATA SOURCES	:Latitude/longitude Ad hoc grid	
LEVEL OF RELIABILITY	:5 acres	
UPDATE FREQUENCY	:Grid	
CLASSIFICATION	:Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape	
DATA CATEGORY NAME	:Land cover - timber, mineral extraction/energy production, crop land (type, acreage, conservation measures), livestock production, forests (size, location, erosion), transportation, urban/built-up, recreation, parks, ownership, land use changes and trends	
GEOGRAPHIC COVERAGE	:Two watersheds in Central IN: Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties) Scotts Creek Watershed (parts of Monroe and Brown Counties)	
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid	
MINIMUM RESOLUTION	:5 acres	
DATA STORAGE FORMAT	:Grid	
OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape	
DATA SOURCES	:Primary	
LEVEL OF RELIABILITY	:Varies	
UPDATE FREQUENCY	:Varies	
CLASSIFICATION	:Anderson	
DATA CATEGORY NAME	:Boundaries - state, counties, townships, census blocks, watersheds, river basins, regional planning districts	
GEOGRAPHIC COVERAGE	:Two watersheds in Central IN: Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks and Marion Counties) Scotts Creek Watershed (parts of Monroe and Brown Counties)	
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid	
MINIMUM RESOLUTION	:5 acres	
DATA STORAGE FORMAT	:Grid	

OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Varies
UPDATE FREQUENCY	:Varies
CLASSIFICATION	:Anderson
DATA CATEGORY NAME	:Soils data - type, series, association, engineering characteristics, capability class, productivity, erosion, conservation measures
GEOGRAPHIC COVERAGE	:Two watersheds in Central IN: Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties) Stotts Creek Watershed (parts of Monroe and Brown Counties)
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid
MINIMUM RESOLUTION	:5 acres
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Varies
UPDATE FREQUENCY	:Varies
DATA CATEGORY NAME	:Topography - elevation, slope, aspect
GEOGRAPHIC COVERAGE	:Two watersheds in Central IN: Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties) Stotts Creek Watershed (parts of Monroe and Brown Counties)
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid
MINIMUM RESOLUTION	:5 acres
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Varies
UPDATE FREQUENCY	:Varies
DATA CATEGORY NAME	:Vegetation - communities, biomass/volume

GEOGRAPHIC COVERAGE	:Two watersheds in Central IN: Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties) Stotts Creek Watershed (parts of Monroe and Brown Counties)
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid
MINIMUM RESOLUTION	:5 acres
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape
DATA SOURCES	:Primary and secondary
LEVEL OF RELIABILITY	:Varies
UPDATE FREQUENCY	:Varies
CLASSIFICATION	:Anderson

DATA CATEGORY NAME	:Wildlife - fish (game and non-game), benthic organisms, habitat
GEOGRAPHIC COVERAGE	:Two watersheds in Central IN: Eagle Creek Watershed (parts of Boone, Hamilton, Hendricks, and Marion Counties) Stotts Creek Watershed (parts of Monroe and Brown Counties)
GEOGRAPHIC REFERENCE	:Latitude/longitude Ad hoc grid
MINIMUM RESOLUTION	:5 acres, site specific
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps - variable scale, composite mapping, tables, graphics, modelling capability, statistical summaries, computer tape
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Varies
UPDATE FREQUENCY	:Varies

DOCUMENTATION	:"Data Documentation - Model Implementation Project" Holcomb Research Institute, January 1982
USER FEES POLICY	:No policy established
DATE OF INFORMATION	:6/30/83
PAPER FILE NUMBER	:101

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1N001-01
(cont.)

CODE :IN001-02

STATE :IN
DATA BASE NAME :Planning Region 8 - Eight County Data Base
SUBJECT COVERAGE :Land cover, geology, and topography
GEOGRAPHIC COVERAGE :Eight counties in Central IN
AGENCY :Butler University
RESPONDENT :Richard F. Hyde, Director, REA Program
Holcomb Research Institute
Butler University
4600 Sunset Avenue
Indianapolis, IN 46208
Telephone: 317-283-9555
OTHER CONTACTS :Darrel Fishel, Business Manager
Telephone: 317-283-9421
Nicholas Vespor, Director, University Computing
Telephone: 317-283-9420

COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/780
RESIDENCE :University computer center
OPERATION :Batch
GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land cover -
barren land, forest land, water, wetlands, cropland
(type, acreage), pasture, urban/built-up, floodplains,
changes
GEOGRAPHIC COVERAGE :Planning Region 8 (Boone, Hamilton, Hendricks, Marion,
Hancock, Morgan, Johnson, and Shelby Counties)
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :500 meter cell
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, modelling
capability, statistical summaries, composite mapping,
computer tape
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Annual
CLASSIFICATION :Anderson

DATA CATEGORY NAME :Geology -
surface, subsurface
GEOGRAPHIC COVERAGE :Planning Region 8 (Boone, Hamilton, Hendricks, Marion,
Hancock, Morgan, Johnson, and Shelby Counties)
GEOGRAPHIC REFERENCE :Latitude/longitude
Ad hoc grid

MINIMUM RESOLUTION :500 meter cell
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, modelling
capability, statistical summaries, composite mapping,
computer tape
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Annual

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DATA CATEGORY NAME :Topography -
elevation, slope, aspect, relief
GEOGRAPHIC COVERAGE :Planning Region 8 (Boone, Hamilton, Hendricks, Marion,
Hancock, Morgan, Johnson, and Shelby Counties)
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :500 meter cell
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, modelling
capability, statistical summaries, composite mapping,
computer tape
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Annual

USER FEES POLICY :No policy established
DATE OF INFORMATION :6/30/83
PAPER FILE NUMBER :INI

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IN001-02

CODE :IN002-01

STATE :IN
DATA BASE NAME :IN Heritage Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Indiana and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :IN Department of Natural Resources
RESPONDENT :Jim Aldrich, Environmental Specialist
IN Heritage Program
IN Department of Natural Resources
Division of Outdoor Recreation
612 State Office Building
Indianapolis, IN 46204
Telephone: 317-232-4078
OTHER CONTACTS :Mike Romoya, Plant Ecologist
:Tom Post, Plant Ecologist
:Shellie Careau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :IN6

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IN002-01

CODE :KS001-01

STATE :KS
 DATA BASE NAME :KS Policy Database System
 DATA BASE ACRONYM :KPDS
 SUBJECT COVERAGE :Agriculture, atmospheric resources, business and industry, culture, education, government, health, housing, labor, land, minerals and energy, population, public safety, recreation, revenue, social services, transportation, water, wildlife
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :KPDS is an interactive program that lets the user at a computer terminal retrieve data about KS counties and perform statistical analysis. KPDS has two major parts called retrieval mode and processing mode. Retrieval mode lets the user access data from the KPDS database and display it on the terminal or save it in a file. In processing mode the user can perform analysis on data obtained in retrieval mode. Processing mode also has facilities to produce reports, caharts, graphs and maps based on KPDS data. Over 1000 variables are present in the database covering the major resource areas mentioned above under subject coverage. These are maintained from 1950 to the present. Data is available at county, SNSA, manpower district, planning region, and state levels.
 AGENCY RESPONDENT :Center for Public Affairs
 :Arlene Slocum, Research Associate
 Center for Public Affairs
 607 Blake Hall
 University of Kansas
 Lawrence, KS 66045
 Telephone: 913-864-3701

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL DPS 3/E
 RESIDENCE :University of KS Academic Computer Center
 GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - populations, cultural data, education statistics, business and industry statistics, government, health statistics, housing statistics, labor statistics, public safety statistics, revenue, social services, transportation
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 SNSA level
 Planning region
 Manpower district
 State

MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, statistical summaries, interactive video display, computer tape
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Annually, every 10 years, periodic, and one time
 COMMENTS :Data is collected by various agencies
 Last update: June 1983

DATA CATEGORY NAME :Agriculture - number of farms, acres of crops harvested, value of crops
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :Tabular
 DATA STORAGE FORMAT :Maps - one scale only, tables, graphics, interactive video display, computer tape
 OUTPUT PRODUCTS :Secondary
 DATA SOURCES :High
 LEVEL OF RELIABILITY :Annual
 UPDATE FREQUENCY :Data collected by KS State Board of Agriculture
 COMMENTS :Last update: June 1983

DATA CATEGORY NAME :Climate/weather - rainfall (days/month with greater than 10 inches), snowfall, precipitation, temperature, frost-free days, atmospheric pollutants
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :Tabular
 DATA STORAGE FORMAT :Maps - one scale only, tables, graphics, interactive video display, computer tape
 OUTPUT PRODUCTS :Secondary
 DATA SOURCES :High
 LEVEL OF RELIABILITY :Annual, every 10 years, periodic, and one time
 UPDATE FREQUENCY :Data collected by KS State University
 COMMENTS :Last update: June 1983

DATA CATEGORY NAME :Land cover - barren land, wetlands, urban/built-up
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :County

DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive video display, computer tape
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Every 3 years
 COMMENTS :Data collected by Land Use Data Association, USGS
 Last update: June 1983

DATA CATEGORY NAME :Energy - oil, gas, coal, minerals, production, wells
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :State
 DATA STORAGE FORMAT :County
 OUTPUT PRODUCTS :Tabular
 DATA SOURCES :Maps - one scale only, tables, graphics, interactive video display
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :High
 COMMENTS :Annual, periodic, and one time
 :Data collected by KS Geological Survey, Bureau of Census, Natural Gas Processors Association
 Last update: June 1983

DATA CATEGORY NAME :Recreation - state parks, county parks, city parks, water acreage, land acreage, developed acreage, facilities, private recreation areas
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :State
 DATA STORAGE FORMAT :County
 OUTPUT PRODUCTS :Tabular
 DATA SOURCES :Maps - one scale only, tables, graphics, interactive video display, computer tape
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :High
 COMMENTS :Annual, every 10 years, periodic, and one time
 :Data collected by KS Park and Resources Authority
 Last update: June 1983

DATA CATEGORY NAME :Groundwater hydrology - use, number wells, water level, number measurements
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :State
 :County

DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Maps - one scale only, tables, graphics, interactive video display
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Annual, every 10 years, periodic and one time
 COMMENTS :Data collected by KS Geological Survey and US Geological Survey. Last update: June 1983

DATA CATEGORY NAME :Surface water hydrology - use
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :State
 DATA STORAGE FORMAT :County
 OUTPUT PRODUCTS :Tabular
 DATA SOURCES :Maps - one scale only, tables, graphics, interactive video display
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :High
 COMMENTS :Annual, every 10 years, periodic and one time
 :Data collected by KS Geological Survey
 Last update: June 1983

DATA CATEGORY NAME :Wildlife - game - mammals, game - birds, game - fish, licences, harvests, hunting, attendance at state lakes
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :State
 DATA STORAGE FORMAT :County
 OUTPUT PRODUCTS :Tabular
 DATA SOURCES :Maps - one scale only, tables, graphics, interactive video display
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :High
 COMMENTS :Annual, every 10 years, periodic and one time
 :Data collected by KS Forestry, Fish and Game Commission. Last update: June 1983

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 ORIGINAL PAGE IS
 OF POOR QUALITY

DOCUMENTATION :Computer printout - list of KPPS variables, general information are available
 USER FEES POLICY :Fees established by University Computer Center
 DATE OF INFORMATION :8/23/83
 PAPER FILE NUMBER :KS2

CODE :KS002-01

STATE :KS
 DATA BASE NAME :Kansas Data Base
 DATA BASE ACRONYM :KDB
 SUBJECT COVERAGE :Base data (Public Land Survey, state and county boundaries)
 surface hydrology, transportation, other cultural data

GEOGRAPHIC COVERAGE :Statewide
 STATUS :Base data is 85 percent complete, other approximately
 10 to 20 percent complete

AGENCY :KS Geological Survey
 RESPONDENT :Joe Brentano, Research Assistant
 KS Geological Survey

Advanced Projects
 University of Kansas
 1930 Constant Avenue - Campus West
 Lawrence, KS 66044

Telephone: 913-864-4991
 OTHER CONTACTS :Charles Ross, Research Associate
 John Davis, Chief, Advanced Projects Section
 Chris Roche, Manager, Automated Cartography Unit

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes (Gooddata Interactive Management Map Analysis and Production System (GINMAP) for cartography and SURFACE II for contouring)

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 Disc storage: 744 MB
 Simultaneous users supported: 52
 LANGUAGE(S) :FORTRAN 5
 FORTRAN 77
 BASIC
 RATFOR
 Assembler
 SPECIALIZED SOFTWARE :GINMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson Stratos 42 printer/plotter, Tektronix 4014-1 (two), Tektronix 4113 color raster terminal, Xynetics 1100 Flatbed plotter (with P.P. 21 NX), Tektronix 4691 color hard copy unit

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data -
 state lines, section corner points, township corner
 points, county lines, township-range lines

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal x,y coordinate system (digitized)
 MINIMUM RESOLUTION :Latitude/longitude (indirect)
 DATA STORAGE FORMAT :Site specific
 OUTPUT PRODUCTS :GINMAP random access file structures
 DATA SOURCES :Maps - variable scale and content, digital files of projected or latitude/longitude coordinates
 UPDATE FREQUENCY :Secondary (USGS 7 and 1/2 minute topographic quadrangles)
 COMMENTS :Annual review
 :Input scale 1:24,000

DATA CATEGORY NAME :Surface water hydrology -
 named streams, impounded waters of significant size
 GEOGRAPHIC COVERAGE :Groundwater Management District #4, Salina Basin and 15 counties in northeast Kansas; other Groundwater Management Districts are currently being digitized
 MINIMUM RESOLUTION :Universal x,y coordinate system
 DATA STORAGE FORMAT :Site specific
 OUTPUT PRODUCTS :GINMAP random access file structures
 DATA SOURCES :Maps - variable scale and content, digital files of projected or latitude/longitude coordinates
 :Secondary (USGS 7 and 1/2 minute topographic quadrangles)

DATA CATEGORY NAME :Geology -
 microearthquakes, faults, aeromagnetic data
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Projected x,y
 DATA STORAGE FORMAT :Site specific
 OUTPUT PRODUCTS :Maps - variable scale and content, digital files
 DATA SOURCES :Primary

DATA CATEGORY NAME :Oil and gas -
 fields, location, names
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Site specific
 MINIMUM RESOLUTION :Maps - variable scale and content, digital files
 DATA STORAGE FORMAT :See "Oil and Gas Fields in Kansas", 1982, by Shirley E. Paul, Li-Huei Chang, and Sarah Burt, Map N-17, KS Geological Survey

USER FEES POLICY :No policy established
 DATE OF INFORMATION :1/16/84
 PAPER FILE NUMBER :KS16

CODE :KS003-01

STATE :KS
DATA BASE NAME :Socio-economic Data Base (not yet named)
SUBJECT COVERAGE :Demographic, social data
GEOGRAPHIC COVERAGE :Statewide
STATUS :Under development
AGENCY :KS Department of Economic Development
RESPONDENT :Kevin Carr, Economic Development Planner
KS Department of Economic Development
503 Kansas Avenue
Topeka, KS 66603
Telephone: 913-296-3345

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL DPS 3/E
RESIDENCE :University of Kansas (Lawrence)
OPERATION :Interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Socio-economic data -
populations, social aspects, economic aspects
GEOGRAPHIC COVERAGE :Statewide
MINIMUM RESOLUTION :By township
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, statistical summaries, retrieval and analysis
of data within any given radius around a point
DATA SOURCES :Primary and secondary
UPDATE FREQUENCY :Last updated in 1982

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USER FEES POLICY :No policy established
DATE OF INFORMATION :3/21/83
PAPER FILE NUMBER :KS3

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KS003-01

CODE :KS004-01

Data System, USGS (Reston); this data base is primarily funded by USGS

STATE :KS
 DATA BASE NAME :Coal Reserves
 SUBJECT COVERAGE :Coal resources
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Geological Survey
 RESPONDENT :Larry Brady, Associate Scientist
 :Geologic Investigations
 :KS Geological Survey
 :1930 Constant Avenue - Campus West
 :University of Kansas
 :Lawrence, KS 66044
 :Telephone: 913-864-4991
 OTHER CONTACTS :Doug Deene, Assistant Scientist
 :Owen Svit, Chief
 :Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4052
 RESIDENCE :In-house
 OPERATION :Interactive
 CIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :TEK hard copy unit for 4052

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
 :coal resources, well name, legal description, county
 :code, type log, ground elevation, tops of the Cherokee
 :Group, Crowsberg shale, Tebo shale, Weir-Pittsburg
 :shale, Mississippian, thickness of other key horizons,
 :code for each coal present, coal depth, coal thickness
 GEOGRAPHIC COVERAGE :Where major coal reserves of economic importance occur
 :in the State of Kansas (eastern edge of state)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 :Public Land Survey
 MINIMUM RESOLUTION :Site specific, 160 acres
 DATA STORAGE FORMAT :Coordinate point (boundaries are digitized)
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, modelling
 :capability, statistical summaries, composite mapping
 :possible, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High to moderate
 UPDATE FREQUENCY :Sporadic
 CONFIDENTIALITY :Data acquired from private companies are subject to
 :restricted access
 CLASSIFICATION :Coal Resource Classification System (USGS)
 COMMENTS :Data routinely supplied to the National Coal Resources

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KS004-01

CODE :KS005-01

CODE :KS005-02

STATE :KS
 DATA BASE NAME :Well Samples
 SUBJECT COVERAGE :Drilling samples (majority of samples are from wells drilled for oil or gas)
 GEOGRAPHIC COVERAGE :Statewide, some out-of-state
 STATUS :Automation of catalogue of well samples is pending due to funding
 AGENCY :KS Geological Survey
 RESPONDENT :Lynn Watney, Research Associate
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-4991
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 RESIDENCE :In-house

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology - well samples, drilling samples obtained by rotary or cable tool, oil and gas wells
 GEOGRAPHIC COVERAGE :Statewide (115,000 wells); some out-of-state
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :Well, well field
 DATA STORAGE FORMAT :Tabular
 UPDATE FREQUENCY :Samples are available from most recently drilled wells to a few collected during the 1916-1920 era
 COMMENTS :The collection is physically located in Wichita, KS

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DATE OF INFORMATION :1/13/84
 PAPER FILE NUMBER :KS17

STATE :KS
 DATA BASE NAME :Core Collection
 SUBJECT COVERAGE :Samples obtained by core drill
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Geological Survey
 RESPONDENT :Lynn Watney, Research Associate
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-4991
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Data Printer Corp. CP-1210 character line printer, Tektronix 4014 (monochrome) (two), Tektronix 4113 (color)

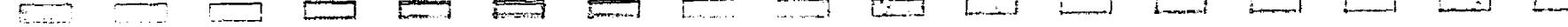
DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology - core collection - operator, lease name and well number, location (township/range/section), interval and box number or shelf location
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 County
 Formation
 :Site specific
 MINIMUM RESOLUTION :Tabular
 DATA STORAGE FORMAT :Computer printouts
 OUTPUT PRODUCTS :Primary
 DATA SOURCES :High
 LEVEL OF RELIABILITY :Data purposely restricted to specific clientele
 CONFIDENTIALITY

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DATE OF INFORMATION :1/13/84
 PAPER FILE NUMBER :KS17

KS005-01
KS005-02



CODE :KS006-01

STATE :KS
 DATA BASE NAME :Aeromagnetic Survey
 SUBJECT COVERAGE :Magnetic measurements
 GEOGRAPHIC COVERAGE :Statewide; also small portions of Arkansas, Missouri, Nebraska and Oklahoma
 AGENCY :KS Geological Survey
 RESPONDENT :Harold Vorger, Associate Scientist
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-4991
 OTHER CONTACTS :William W. Hambleton, Director, KGS
 Telephone: 913-864-3965
 Owen Spitz, Chief, Computer Services
 Telephone: 913-864-4991

COMMENTS

of understanding that no third parties shall have access to the data
 These data exist in several stages of refinement. The original data consist of those gathered from flights throughout the state. Using timing recordings on the original data and simultaneous photographs, the magnetic measurements are assigned latitude/longitude values and processed through several filtering routines.

DOCUMENTATION :General information is available
 USER FEES POLICY :Fees are charged for products only
 DATE OF INFORMATION :1/18/83
 PAPER FILE NUMBER :KS18

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 HONEYWELL DPS 3/E
 RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas
 - Lawrence (HONEYWELL DPS 3/E)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :CINMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Bonsen Stratos 42 printer/plotter, Tektronix 4014 (two), Tektronix 4113, Xynetics 1100 plotter (with H.P. 21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 earth's magnetic field measured at specific points along the original flight lines
 GEOGRAPHIC COVERAGE :Statewide; also part of Arkansas; small parts of Missouri, Oklahoma, and Nebraska
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :1/10 mile east-west, 2 miles north-south
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps - one scale only (1:500,000), computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :No updating, not necessary
 CONFIDENTIALITY :Any party who purchases data must sign a memorandum

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 ORIGINAL PAGE

KS006-01

CODE :KS007-01

CODE :KS008-01

STATE :KS
 DATA BASE NAME :Chemical Analysis of Irrigation Water
 SUBJECT COVERAGE :Groundwater quality data
 GEOGRAPHIC COVERAGE :Five groundwater management districts of Kansas
 AGENCY :KS Geological Survey
 RESPONDENT :Donald Whittemore, Associate Scientist
 Geochemistry Section
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-4991
 OTHER CONTACTS :Mike Magnuson, KGS
 Owen Spitz, Chief, Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :GINMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xynetics 1100 plotter (with H.P.
 21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -
 quality data - well location, geologic source of water,
 specific conductance, pH, concentrations of major and
 selected minor and trace inorganic constituents
 GEOGRAPHIC COVERAGE :The five groundwater management districts of Kansas
 (western and southern parts of the state)
 GEOGRAPHIC REFERENCE :Well location
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts
 DATA SOURCES :Primary

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DOCUMENTATION :Documentation will be available in the future
 DATE OF INFORMATION :1/18/84
 PAPER FILE NUMBER :KS19

STATE :KS
 DATA BASE NAME :Geothermal
 SUBJECT COVERAGE :Information from 70,000 electric logs
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Information is on tape; retrieval program has not yet been
 completed
 AGENCY :KS Geological Survey
 RESPONDENT :Don Steeples, Associate Scientist
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-4991
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :GINMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xynetics 1100 plotter (with H.P.
 21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 geothermal resources, electric logs, well location,
 elevation, bottom-hole temperature, depth, date
 drilled
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :10 acres
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Maps - one scale only
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Data are up to date through early 1982

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DATE OF INFORMATION :1/11/84
 PAPER FILE NUMBER :KS20

ORIGINAL PAGE IS
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KS008-01

CODE :KS008-02

STATE :KS
DATA BASE NAME :Seismic
SUBJECT COVERAGE :Field measurements collected by the Earthquake Lab (150 tapes)
GEOGRAPHIC COVERAGE :Statewide
AGENCY :KS Geological Survey
RESPONDENT :Don Steeples, Associate Scientist
KS Geological Survey
1930 Constant Avenue - Campus West
University of Kansas
Lawrence, KS 66044
Telephone: 913-864-4991
OTHER CONTACTS :Ralph Knapp, Assistant Scientist
Owen Spitz, Chief
Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
RESIDENCE :In-house
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
SPECIALIZED SOFTWARE :GIMMAP
SURFACE II
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
Stratos 42 printer/plotter, Tektronix 4014 (two),
Tektronix 4113, Xynetics 1100 plotter (with H.P.
21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
seismic data
GEOGRAPHIC COVERAGE :Statewide (site specific areas scattered throughout
Kansas)
GEOGRAPHIC REFERENCE :Not geographically referenced
MINIMUM RESOLUTION :Site specific
OUTPUT PRODUCTS :Seismic reflection data
DATA SOURCES :Primary
UPDATE FREQUENCY :Updates, additions, in response to specific requests
COMMENTS :This data set consists of field measurements collected
by the Earthquake Lab with its exploration seismic
equipment. The file is composed of reflection data in
digital form. The data exist in many forms or stages
due to filtering and computation techniques applied to
it for current use

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DATE OF INFORMATION :1/11/84
PAPER FILE NUMBER :KS20

ORIGINAL PAGE IS
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KS008-02

CODE :KS009-01

STATE :KS
 DATA BASE NAME :ACCESS
 SUBJECT COVERAGE :Water-well records, bedrock file
 GEOGRAPHIC COVERAGE :Western Kansas and selected counties in south central Kansas
 AGENCY :KS Geological Survey
 RESPONDENT :Manoutch Heidari, Associate Scientist
 Geohydrology Section
 KS Geological Survey
 103 Foley Geohydrology Center
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-5672
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section
 :Munir A. Butt, Research Associate
 Geohydrology Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 HONEYWELL DPS 3/E
 RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas
 - Lawrence (HONEYWELL DPS 3/E)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4 MB
 Disc storage: 3 drives
 Simultaneous users supported: 48
 LANGUAGE(S) :FORTRAN
 Assembler
 BASIC
 SPECIALIZED SOFTWARE :KOALA (log interpretation)
 COLORMAP
 INFOS II
 SPSS-X (stat. pkg. for geological sciences)
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xymetics 1100 plotter (with H.P.
 21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -
 water-well records, well location, name of owner,
 well usage, source of data, surface elevation, ground-
 water elevation
 GEOGRAPHIC COVERAGE :Western Kansas and selected counties in South Central

GEOGRAPHIC REFERENCE :Kansas (43 counties)
 :Latitude/longitude
 Public Land Survey
 :10 acres
 :Coordinate point
 :Maps (variable scale), computer tape, modelling capa-
 bility
 :High
 :Annually
 :Data sources include historical records, published sur-
 veys and maps, field survey, telephone/mail surveys;
 data routinely supplied to USGS

DATA CATEGORY NAME :Geology -
 bedrock elevation
 GEOGRAPHIC COVERAGE :Northwestern Kansas (11 counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 :10 acres
 :Coordinate point
 :Maps (variable scale), computer tape, modelling capa-
 bility
 :High
 :Annually
 :Data sources include historical records, published sur-
 veys and maps, field survey, telephone/mail surveys;
 data routinely supplied to USGS

DATE OF INFORMATION :1/31/84
 PAPER FILE NUMBER :KS21

ORIGINAL PAGE IS
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KS009-01

CODE :KS010-01

STATE :KS
 DATA BASE NAME :KS On-line Automated Log Analysis
 DATA BASE ACRONYM :KOALA
 SUBJECT COVERAGE :Geology (log analysis)
 STATUS :KOALA is a software system (marketed under the trade name TERRALOG). The KS data base is being developed for demonstration purposes only.

AGENCY :KS Geological Survey
 RESPONDENT :John Doveton, Senior Scientist
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-4991

OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

(Brochure) TERRADATA, 609 Mission Street, Suite 400,
 San Francisco, CA 94105 (415-981-2063).

USER FEES POLICY :TERRALOG available on a lease or purchase basis through TERRADATA (see above)

DATE OF INFORMATION :1/13/84
 PAPER FILE NUMBER :KS22

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 RESIDENCE :In-house
 OPERATION :Interactive

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :GIMMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson Stratos 42 printer/plotter, Tektronix 4014 (two), Tektronix 4113, Xynetics 1100 plotter (with R.P. 21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology - exploration/extraction - log analysis, well logs

DATA CATEGORY NAME :Energy - resources - natural gas, oil

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DOCUMENTATION : "KOALA Abecedarium & Flight Manual" J.H. Doveton & H.W. Cubie, KGS. Petrophysical Series 2 (1980).
 "TERRALOG The Intelligent Log Analysis Program System"

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CODE :KS011-02

CODE :KS011-01

STATE :KS
 DATA BASE NAME :Clay Retrieval
 SUBJECT COVERAGE :Analysis of the properties of clay samples collected and analyzed through the late 1960's
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Geological Survey
 RESPONDENT :Douglas Deene, Assistant Scientist
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-3965
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE NV8000
 HONEYWELL DPS 3/E
 RESIDENCE :In-house (DG ECLIPSE NV8000); University of Kansas
 - Lawrence (HONEYWELL DPS 3/E)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :GIMMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xynetics 1100 plotter (with I.P.
 2IMX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 clay samples, location, formation/member, dry and wet
 physical characteristics, chemical analysis, fired
 properties
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :40 acres
 DATA STORAGE FORMAT :Tabular
 DATA SOURCES :Primary (lab analysis)
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Data from samples collected and analyzed through the
 late 1960's

STATE :KS
 DATA BASE NAME :Limestone - Physical Properties
 SUBJECT COVERAGE :Quarry data
 GEOGRAPHIC COVERAGE :Thirty-four counties in Kansas
 AGENCY :KS Geological Survey
 RESPONDENT :Douglas Deene, Assistant Scientist
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-3965
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE NV8000
 HONEYWELL DPS 3/E
 RESIDENCE :In-house (DG ECLIPSE NV8000); University of Kansas
 - Lawrence (HONEYWELL DPS 3/E)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :GIMMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xynetics 1100 plotter (with I.P.
 2IMX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 quarry data, location, operator, owner, number of
 acres owned, formation and member codes, thickness,
 CaCO₃ equivalence, high, mean and low for soundness,
 wear, absorption and specific gravity; also, identi-
 fication and location of 10 nearest chemical analyses
 from Chemical Properties data file (see KS011-04)
 GEOGRAPHIC COVERAGE :Thirty-four counties in Kansas
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :40 acres
 DATA STORAGE FORMAT :Tabular
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :None since 60's
 COMMENTS :Data set acquired in the late 1960's

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DATE OF INFORMATION :1/13/84
 PAPER FILE NUMBER :KS23

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DATE OF INFORMATION :1/13/84
 PAPER FILE NUMBER :KS23

KS011-01
KS011-02

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CODE :KS011-03

COMMENTS

;These data are summaries of data procured from Petroleum Information Inc. The annual gas well production tape procured from Petroleum Information Inc. is restricted to in-house use only.

STATE :KS
DATA BASE NAME :Gas Production
SUBJECT COVERAGE :Basic production information for gas
GEOGRAPHIC COVERAGE :Statewide
AGENCY :KS Geological Survey
RESPONDENT :Douglas Beene, Assistant Scientist
KS Geological Survey
1930 Constant Avenue - Campus West
University of Kansas
Lawrence, KS 66044
Telephone: 913-864-3965
OTHER CONTACTS :Owen Spitz, Chief
Computer Services Section

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DATE OF INFORMATION :1/13/84
PAPER FILE NUMBER :KS23

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
HONEYWELL DPS 3/E
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas
- Lawrence (HONEYWELL DPS 3/E)
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
SPECIALIZED SOFTWARE :GIMMAP
SURFACE II
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
Strobes 42 printer/plotter, Tektronix 4014 (two),
Tektronix 4113, Xynetics 1100 plotter (with U.P.
21 NX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
resources - natural gas: production, name, field code,
county code, 1965 cumulative, annual production, wells
and acres for each subsequent year, information indicating
whether particular production includes previous
year's corrections
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :County
:Field
MINIMUM RESOLUTION :Field
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Annual report
DATA SOURCES :Secondary
:Annually
UPDATE FREQUENCY :Fields are as described by the Nomenclature Committee
of the Kansas Geological Society

CODE :KS011-04

CODE :KS011-05

STATE :KS
 DATA BASE NAME :Mineral Resources - Chemical Properties
 SUBJECT COVERAGE :Analyses of mineral samples
 GEOGRAPHIC COVERAGE :Eighty-nine counties in Kansas, Missouri, Nebraska and Oklahoma
 AGENCY RESPONDENT :KS Geological Survey
 :Douglas Beene, Assistant Scientist
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-3965
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 HONEYWELL DPS 3/E
 RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas
 - Lawrence (HONEYWELL DPS 3/E)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :GINMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xynetics 1100 plotter (with H.P.
 21NX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 mineral resources, chemical properties, sample number,
 county name and code, geographic location, lithology
 code (28 codes in set), formation and member code,
 thickness, method of sample collection, identification
 number and distance from the 10 closest samples, and
 code and value for each chemical analysis
 GEOGRAPHIC COVERAGE :Eighty-nine counties in Kansas, Missouri, Nebraska
 and Oklahoma
 GEOGRAPHIC REFERENCE :County
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts
 DATA SOURCES :Primary (lab analysis)
 UPDATE FREQUENCY :Compiled from analyses on hand in the late 1960's
 COMMENTS :Data set contains about 2,400 samples

STATE :KS
 DATA BASE NAME :Well Completion Forms
 SUBJECT COVERAGE :Oil and gas
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY RESPONDENT :KS Geological Survey
 :Douglas Beene, Assistant Scientist
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-3965
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 HONEYWELL DPS 3/E
 RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas
 - Lawrence (HONEYWELL DPS 3/E)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :GINMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xynetics 1100 plotter (with H.P.
 21NX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
 resources - oil and gas: well completion data, indication
 of whether a wireline log is available
 GEOGRAPHIC COVERAGE :Statewide
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts
 DATA SOURCES :Secondary
 COMMENTS :Data computerized for the Kansas Corporation Commission
 since January 1982, from ACO-1 well completion forms.

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DATE OF INFORMATION :1/13/84
 PAPER FILE NUMBER :KS23

DATE OF INFORMATION :1/13/84
 PAPER FILE NUMBER :KS23

KS011-04
 KS011-05

CODE :KS011-06

STATE :KS
DATA BASE NAME :Intents to Drill
SUBJECT COVERAGE :Oil and gas
GEOGRAPHIC COVERAGE :Statewide
AGENCY :KS Geological Survey
RESPONDENT :Douglas Beene, Assistant Scientist
KS Geological Survey
1930 Constant Avenue - Campus West
University of Kansas
Lawrence, KS 66044
Telephone: 913-864-3965
OTHER CONTACTS :Owen Spitz, Chief
Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
HONEYWELL DPS 3/E
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas
- Lawrence (HONEYWELL DPS 3/E)
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
SPECIALIZED SOFTWARE :GIMMAP
SURFACE II
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
Stratos 42 printer/plotter, Tektronix 4014 (two),
Tektronix 4113, Xynerics 1100 plotter (with U.P.
2INX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
oil and gas - intents to drill
GEOGRAPHIC COVERAGE :Statewide
OUTPUT PRODUCTS :Computer printouts
DATA SOURCES :Secondary
COMMENTS :Data available from February 1982; data base developed
for the KS Corporation Commission

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DATE OF INFORMATION :1/13/84
PAPER FILE NUMBER :KS23

KS011-06

CODE :KS011-07

COMMENTS

:These data are summaries of data procured from Petroleum Information, Inc. The annual oil lease production tape procured from Petroleum Information, Inc., is restricted to in-house use

STATE :KS
 DATA BASE NAME :Oil Production
 SUBJECT COVERAGE :Basic production information for oil
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Geological Survey
 RESPONDENT :Douglas Boone, Assistant Scientist
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-3965
 OTHER CONTACTS :Owen Spitz, Chief
 Computer Services Section

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DATE OF INFORMATION :1/13/84
 PAPER FILE NUMBER :KS23

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE NV8000
 HONEYWELL DPS 3/E
 RESIDENCE :In-house (DG ECLIPSE NV8000); University of Kansas
 - Lawrence (HONEYWELL DPS 3/E)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000 KB
 SPECIALIZED SOFTWARE :GINMAP
 SURFACE II
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xynetics 1100 plotter (with R.P.
 21 NX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
 resources - oil: production, name, field code,
 county code, 1965 cumulative, annual production,
 wells and acres for each subsequent year, information
 indicating whether particular production in-
 cludes previous year's corrections, abandoned wells
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 Field
 MINIMUM RESOLUTION :Field
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Annual report
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :Annual
 CLASSIFICATION :Fields are as described by the Nomenclature Committee
 of the Kansas Geological Society

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KS011-07

CODE :KS011-08

STATE :KS
DATA BASE NAME :Plugging File
SUBJECT COVERAGE :Plugging of wells
GEOGRAPHIC COVERAGE :Statewide
AGENCY :KS Geological Survey
RESPONDENT :Douglas Beene, Assistant Scientist
KS Geological Survey
1930 Constant Avenue - Campus West
University of Kansas
Lawrence, Ks 66044
Telephone: 913-864-3965
OTHER CONTACTS :Owen Spitz, Chief
Computer Services Section

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
HONEYWELL DPS 3/E
RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas
- Lawrence (HONEYWELL DPS 3/E)
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4000KB
SPECIALIZED SOFTWARE :GINNAP
SURFACE II
PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
Stratos 42 printer/plotter, Tektronix 4014 (two),
Tektronix 4113, Xynetics 1100 plotter (with H.P.
21 MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
plugged wells: lease name, operator, location,
total depth, well number, well type
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
API number
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Tabular
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Monthly
COMMENTS :Plugging reports of the KS Corporation Commission.
Data are available since early 1930's

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DATE OF INFORMATION :1/13/83
PAPER FILE NUMBER :KS23

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KS011-08



CODE :KS012-01

STATE :KS
 DATA BASE NAME :Brine Analysis - Kansas
 SUBJECT COVERAGE :Information on water samples from oil and gas wells
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This data base constitutes the Kansas data set of the U.S. Brine Analysis data base. The national data base contains information on over 73,000 water samples representing 34 states.
 AGENCY :KS Geological Survey
 RESPONDENT :Owen Spitz, Chief
 Computer Services Section
 KS Geological Survey
 1930 Constant Avenue - Campus West
 University of Kansas
 Lawrence, KS 66044
 Telephone: 913-864-4991

COMPUTER FACILITIES

COMPUTER(S) :DG ECLIPSE MV8000
 HONEYWELL DPS 3/E
 RESIDENCE :In-house (DG ECLIPSE MV8000); University of Kansas
 - Lawrence (HONEYWELL DPS 3/E)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 4 MB
 Disc storage: 3 drives
 Simultaneous users supported: 48
 LANGUAGE(S) :FORTRAN
 Assembler
 BASIC
 SPECIALIZED SOFTWARE :KOALA (log interpretation)
 COLORMAP
 INFOS II
 GINMAP (part of)
 SPSS-X (stat. pkg. for geological sciences)
 PERIPHERAL DEVICES :Data Printer Corp. CT-1210 line printer, Benson
 Stratos 42 printer/plotter, Tektronix 4014 (two),
 Tektronix 4113, Xynerics 1100 plotter (with R.P.
 21MX)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -
 brine analysis, location (state, county, geologic
 basin, field, and section/township/range), company
 name, well number, API well number, classification of
 the well, deepest formation penetrated and its age,

total depth of the well, elevation, subsea data, bottom-hole temperature and pressure, formation from which the water sample was taken (sampled formation, age, depth interval, the porosity, permeability, pH, specific gravity, resistivity, lithology, and temperature and pressure of the interval at which the sample was measured), date and location the sample was taken, chemical constituents (in mg/l or ppm)
 GEOGRAPHIC COVERAGE :Statewide
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts, magnetic tapes, tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :One-time only
 COMMENTS :This data base contains 5,455 Kansas records describing 3,765 locations throughout the state. Some of the entries may duplicate those in the U.S. Brine Analysis data base, which is contained within EPA/STORET. Additional data may be added in the future.

USER FEES POLICY :Listing available for \$35.00
 DATE OF INFORMATION :1/17/83
 PAPER FILE NUMBER :KS13

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KS012-01

CODE :KS013-01

CODE :KS014-01

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STATE :KS
 DATA BASE NAME :Southwest Groundwater Management District No. 3
 SUBJECT COVERAGE :Surface water
 GEOGRAPHIC COVERAGE :Groundwater Management District No. 3 (southwest Kansas)
 AGENCY :Southwest Groundwater Management District No. 3
 RESPONDENT :Rick Illgner, Manager
 Southwest Groundwater Management District No. 3
 409 Campus Drive, Suite 105
 Garden City, KS 67846
 Telephone: 316-275-7147
 OWNER CONTACTS :Mike Deals, Assistant Manager/Hydrologist
 :Gary Baker, President of the Board of Directors
 Telephone: 316-356-4773

COMPUTER FACILITIES

COMPUTER(S) :IBM S/33 DATAMASTER
 RESIDENCE :In-house
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 64 K
 Disc storage: 1.2 MB
 LANGUAGE(S) :BASIC
 SPECIALIZED SOFTWARE :NRADS - IBM
 PERIPHERAL DEVICES :Line printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water hydrology -
 water rights
 GEOGRAPHIC COVERAGE :Southwest Kansas Groundwater Management District No. 3
 (all or portions of Finney, Ford, Grant, Gray, Hamilton, Haskell, Dodge, Kearny, Meade, Morton, Seward, Stanton and Stevens counties)
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :10 acres, 40 acres, 160 acres, 1 square mile, by county
 DATA STORAGE FORMAT :Coordinate point, grid
 OUTPUT PRODUCTS :Tables, statistical summaries
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High to moderate
 UPDATE FREQUENCY :Varies (continuously to annually)

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DOCUMENTATION :General information available; newsletter
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :5/31/83
 PAPER FILE NUMBER :KSII

STATE :KS
 DATA BASE NAME :Aquatic Data Analysis System
 DATA BASE ACRONYM :ADAS
 SUBJECT COVERAGE :Fisheries
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Fish and Game Commission
 RESPONDENT :Richard L. Holloran, Computer Programmer II
 KS Fish and Game Commission
 R.R. 2, Box 54A
 Pratt, KS 67124
 Telephone: 316-672-5911, Ext. 136
 OWNER CONTACTS :Bob Hartmann, Fisheries Biologist
 :Milt Martin, Systems Analyst II
 Telephone: 316-672-5911, Ext. 131

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Central government computer center
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -
 game, non-game, populations, physical characteristics
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Water body
 MINIMUM RESOLUTION :Site specific; fish samples collected at an impoundment are further identified by "location" within the impoundment (e.g., dam face)
 DATA STORAGE FORMAT :Card image (80-column)
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderately reliable
 UPDATE FREQUENCY :Continuously

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DOCUMENTATION :System Narrative providing general information, description of data encoding format/procedure available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :1/4/84
 PAPER FILE NUMBER :KSIS-1

KS013-01
KS014-01

CODE :KS014-02

STATE :KS
DATA BASE NAME :Creek Census Data
SUBJECT COVERAGE :Fisheries
GEOGRAPHIC COVERAGE :Statewide
AGENCY :KS Fish and Game Commission
RESPONDENT :Richard L. Holloran, Computer Programmer II
KS Fish and Game Commission
R.R. 2, Box 544
Pratt, KS 67124
Telephone: 316-672-5911, Ext. 136
OTHER CONTACTS :Bob Hartmann, Fisheries Biologist
:Milt Martin, Systems Analyst II
Telephone: 316-672-5911, Ext. 131

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
RESIDENCE :Central government computer center
GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric
CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -
:game, non-game, populations, creek census data
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Water body
MINIMUM RESOLUTION :Site specific; fish samples collected at an impoundment are further identified by "location" within the impoundment (e.g., dam face)
DATA STORAGE FORMAT :Card image (80-column)
OUTPUT PRODUCTS :Tables, graphics, statistical summaries
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderately reliable
UPDATE FREQUENCY :Continuously

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DOCUMENTATION :General information, descriptions of data encoding format/
procedures available
USER FEES POLICY :No policy established
DATE OF INFORMATION :1/4/84
PAPER FILE NUMBER :KS15-2

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KS014-02

CODE :KS014-03

COMMENTS :Furbearer survey consists of the observations of archery deer hunters

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STATE :KS
 DATA BASE NAME :Hunter Report Cards
 SUBJECT COVERAGE :Wildlife
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Fish and Game Commission
 RESPONDENT :Richard L. Holloran, Computer Programmer II
 KS Fish and Game Commission
 R.R. 2, Box 564
 Pratt, KS 67124
 Telephone: 316-672-5911, Ext 136
 OTHER CONTACTS :Lloyd Fox, Wildlife Biologist (furbearers)
 :Milt Martin, Systems Analyst II
 :Telephone: 316-672-5911, Ext 131
 :Keith Sexson, Wildlife Biologist (deer)
 KS Fish and Game Commission
 Wildlife Research Office
 832 East 6th
 Emporia, KS 66801
 Telephone: 316-342-0658
 :Terry Funk, Wildlife Biologist (turkey)
 KS Fish and Game Commission
 NW Fish & Game Regional Office
 Route 2
 Hays, KS 67601
 Telephone: 913-628-8614

DOCUMENTATION :General information, descriptions of data encoding format/
 procedure available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :1/4/84
 PAPER FILE NUMBER :KS15-3

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Central government computer center
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric
 CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 deer hunter information (whitetail, mule deer), turkey
 hunter information, furbearer hunter information (bob-
 cats, coyotes, gray fox, red fox, opossums, raccoons)

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :By management unit, county
 DATA STORAGE FORMAT :Card Image (80-column)
 OUTPUT PRODUCTS :Tables, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderately reliable
 UPDATE FREQUENCY :Annually

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CODE :KS014-04

CODE :KS014-05

STATE :KS
 DATA BASE NAME :Waterfowl Chronology System
 SUBJECT COVERAGE :Wildlife
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Fish and Game Commission
 RESPONDENT :Richard L. Holloran, Computer Programmer II
 KS Fish and Game Commission
 R.R. 2, Box 54A
 Pratt, KS 67124
 Telephone: 316-672-5911, Ext. 136
 OTHER CONTACTS :Marvin Kraft, Biologist
 :Milt Martin, Systems Analyst II
 Telephone: 316-672-5911, Ext. 131

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Central government computer center
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 waterfowl migration survey (ducks, geese, eagles, other), numbers of waterfowl present by species, notes of hunting and/or habitat conditions
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Not geographically referenced
 MINIMUM RESOLUTION :By waterfowl management area
 DATA STORAGE FORMAT :Card image (80-column)
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderately reliable
 UPDATE FREQUENCY :Bi-monthly
 COMMENTS :Counts are made at approximately 20 areas; system last updated July 1983

DOCUMENTATION :General information, descriptions on data encoding format procedures available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :1/4/84
 PAPER FILE NUMBER :KS15-4

STATE :KS
 DATA BASE NAME :Small Game Harvest Survey
 SUBJECT COVERAGE :Wildlife
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Fish and Game Commission
 RESPONDENT :Richard L. Holloran, Computer Programmer II
 KS Fish and Game Commission
 R.R. 2, Box 54A
 Pratt, KS 67124
 Telephone: 316-672-5911, Ext. 136
 OTHER CONTACTS :Milt Martin, Systems Analyst II
 Telephone: 316-672-5911, Ext. 131
 :Roger Wells, Wildlife Biologist
 KS Fish and Game Commission
 Wildlife Research Office
 832 East 6th
 Emporia, KS 66801
 Telephone: 316-342-0658

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Central government computer center
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 small game hunter survey (mourning doves, quail, pheasants, prairie chickens, cottontails, squirrels, bobcats, raccoons, fox, coyotes)
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :"SAS" data base
 OUTPUT PRODUCTS :Maps - one scale only (county), tables, graphics, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Low
 UPDATE FREQUENCY :Annually
 COMMENTS :Last updated Spring 1983

 DOCUMENTATION :General information, descriptions of data encoding format / procedure available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :1/4/84
 PAPER FILE NUMBER :KS15-5

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KS014-05

CODE :KS014-06

CODE :KS014-07

STATE :KS
 DATA BASE NAME :Furbearer Harvest Survey
 SUBJECT COVERAGE :Wildlife
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Fish and Game Commission
 RESPONDENT :Richard L. Holloran, Computer Programmer II
 KS Fish and Game Commission
 R.R. 2, Box 54A
 Pratt, KS 67124
 Telephone: 316-672-5911, Ext. 136
 OTHER CONTACTS :Lloyd Fox, Wildlife Biologist
 :Milt Martin, Systems Analyst II
 Telephone: 316-672-5911, Ext. 131

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Central government computer center
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric
 CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 furbearer trapping and hunting survey (badger, beaver,
 bobcat, coyote, red fox, gray fox, mink, muskrat,
 opossum, raccoon, striped skunk, weasel)
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :"SAS" data base
 OUTPUT PRODUCTS :Maps - one scale only (county), tables, graphics, sta-
 tistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Low
 UPDATE FREQUENCY :Annually
 COMMENTS :Last updated Spring 1983

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DOCUMENTATION :General information, descriptions of data encoding formats/
 procedure available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :1/4/84
 PAPER FILE NUMBER :KS15-6

STATE :KS
 DATA BASE NAME :Rural Mail Carrier Survey
 SUBJECT COVERAGE :Wildlife
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :KS Fish and Game Commission
 RESPONDENT :Richard L. Holloran, Computer Programmer II
 KS Fish and Game Commission
 R.R. 2, Box 54A
 Pratt, KS 67124
 Telephone: 316-672-5911, Ext. 136
 OTHER CONTACTS :Milt Martin, Systems Analyst II
 Telephone: 316-672-5911, Ext. 131
 :Roger Wells, Wildlife Biologist
 KS Fish and Game Commission
 Wildlife Research Office
 832 East 6th
 Emporia, KS 66801
 Telephone: 316-342-0658

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Central government computer center
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3270 CRTs (three), line printer, alphanumeric
 CRTs (three)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 small game census (pheasants, quail, prairie chickens,
 cottontails, jack rabbits)
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :Card image (80-column)
 OUTPUT PRODUCTS :Tables, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Quarterly (spring, summer, fall, winter)
 COMMENTS :Survey cards are sent to approximately 800 mail
 carriers across the state. Carriers are instructed to
 tally observations of small game species on their sur-
 vey cards for a period of 5 consecutive days. Approx-
 imately 530 to 550 survey cards are returned.

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DOCUMENTATION :General information, descriptions of data encoding formats/
 procedure available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :1/4/84
 PAPER FILE NUMBER :KS15-7

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KS014-06

CODE :KS015-01

STATE :KS
 DATA BASE NAME :SELGEM
 SUBJECT COVERAGE :Algae, aquatic life, surface water
 GEOGRAPHIC COVERAGE :Statewide

STATUS :Data base is currently under evaluation, and may be upgraded in the future (i.e., computer hardware, data structures); biological data collected for several years is being automated as time permits

AGENCY RESPONDENT :KS Biological Survey
 :Paul M. Licchi, Assistant Director
 KS Biological Survey
 2291 Irving Hill Road
 Lawrence, KS 66045-2969
 Telephone: 913-864-4775
 OTHER CONTACTS :Edward A. Martinko, Director
 Judy Miskimen, Secretary

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL DPS 3/E
 RESIDENCE :University of Kansas Academic Computing Center
 OPERATION :Interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Decwriter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Algae -
 :species, quality/condition
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 County
 Distance from local landmarks
 :160 acres; 640 acres
 MINIMUM RESOLUTION :160 acres; 640 acres
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Species lists - can be generated at county level or with corresponding water quality information
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :As need arises

DATA CATEGORY NAME :Aquatic life -
 :aquatic macroinvertebrates, micro-habitat, taxonomic
 listing, life stage, sex
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey

MINIMUM RESOLUTION
 DATA STORAGE FORMAT
 OUTPUT PRODUCTS

DATA SOURCES
 LEVEL OF RELIABILITY
 UPDATE FREQUENCY
 COMMENTS

DATA CATEGORY NAME

GEOGRAPHIC COVERAGE
 GEOGRAPHIC REFERENCE

MINIMUM RESOLUTION
 DATA STORAGE FORMAT
 OUTPUT PRODUCTS
 DATA SOURCES
 LEVEL OF RELIABILITY
 UPDATE FREQUENCY

DOCUMENTATION :SELGEM Manual in preparation
 USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :1/20/84
 PAPER FILE NUMBER :KS24

County
 Distance from local landmark
 :160 acres; 640 acres
 :Tabular
 :Statistical summaries, species lists - can be generated at county level and by watershed in certain circumstances
 :Primary
 :High
 :Annually
 :Field data sheets available, by collection, but not yet automated

:Surface water -
 :pH, water temperature, conductivity

:Statewide
 :Public Land Survey
 County

Distance from local landmark
 :160 acres; 640 acres
 :Tabular
 :Statistical summaries, computer printouts
 :Primary
 :High
 :As need arises

CODE :KY001-01

STATE :KY
 DATA BASE NAME :KY Natural Resources Information System
 DATA BASE ACRONYM :KNRIS
 SUBJECT COVERAGE :Integrated terrain units, surface water, base data, infrastructure, surface coal mine permit data, abandoned mine lands inventory problem areas, soils data, land cover, cultural areas, public waters, and rare/threatened/endangered species occurrences
 GEOGRAPHIC COVERAGE :Statewide; some data collected only for the eastern and western coal regions (about 40% of the state)
 STATUS :The development of KNRIS began in 1979 with funds provided by the U.S. Office of Surface Mining for implementation of Public Law 95-87 (Federal Surface Mining Control and Reclamation Act of 1977). The system became operational in 1981 and has been utilized for surface mine regulatory activities and other natural resource planning applications. KNRIS is divided into the following major sections: (1) Information Resource Center and (2) Automated Geographic Information System
 AGENCY RESPONDENT :KY Natural Resources and Environmental Protection Cabinet
 :Peter L. Crosswell, Manager
 :KY Natural Resources Information System
 :KY Natural Resources and Environmental Protection Cabinet
 :Capital Plaza Tower, 14th Floor
 :Frankfort, KY 40601
 :Telephone: 502-564-5174
 OTHER CONTACTS :William ("Larry") Schneider
 :PRIME System Administrator

COMPUTER FACILITIES

COMPUTER(S) :PRIME 750
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 1MB
 :Disc storage: 900MB
 :FORTRAN
 :BASIC
 :CPL
 :Assembler
 :ELAS
 :INFO
 :MINITAB
 :EIS (Environmental Library System)
 :GIS: GRIPS
 :GRIPSHIFT

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GRDCON (Coordinate Conversion)
 COORD (Coordinate Conversion)
 ARVOL

:Monochrome graphics CRT, color image display, tablet-free cursor digitizer, line printer, drum pen plotter, electrostatic plotter, hard copy terminal, 16 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

PERIPHERAL DEVICES :
 DATA CATEGORY NAME :Integrated terrain units - elevation province, physiographic province, landform, slope gradient, geologic formation, mineral resources (non-coal), natural soil group, vegetation type, land use, flood prone areas, groundwater availability zones, forest density (partial coverage)
 GEOGRAPHIC COVERAGE :Eastern and western coal regions of Kentucky (about 40% of the state)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 :Universal Transverse Mercator
 MINIMUM RESOLUTION :10 acres
 DATA STORAGE FORMAT :Polygon
 OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, modeling capability, statistical summaries, composite mapping
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :No routine updating
 CLASSIFICATION :Refer to KNRIS User Guide

DATA CATEGORY NAME :Surface water - watershed boundaries, stream network, river mile index
 GEOGRAPHIC COVERAGE :Eastern and western coal regions of Kentucky (about 40% of the state)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 :Universal Transverse Mercator
 MINIMUM RESOLUTION :Site specific; by watershed
 DATA STORAGE FORMAT :Polygon (watersheds); coordinate point (river mile); line (streams)
 OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, modeling capability, statistical summaries, composite mapping
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :No routine updates
 CLASSIFICATION :Refer to KNRIS User Guide

DATA CATEGORY NAME :Base data - counties, incorporated area, ownership, administrative status, important wildlife habitats, state forests,

KY001-01

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GEOGRAPHIC COVERAGE	national forests, state parks, national parks, important geologic and karst areas, caves, recreation sites
GEOGRAPHIC REFERENCE	:Eastern and western coal regions of Kentucky (about 40% of the state)
MINIMUM RESOLUTION	:Latitude/longitude
DATA STORAGE FORMAT	Universal Transverse Mercator
OUTPUT PRODUCTS	:10 acres
DATA SOURCES	:Polygon; coordinate point (caves, recreation sites); line
LEVEL OF RELIABILITY	:Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries
UPDATE FREQUENCY	:Secondary
CLASSIFICATION	:High
	:No routine update
	:Refer to KNRIS User Guide
DATA CATEGORY NAME	:Abandoned mine lands - inventory, problem areas, boundaries with number codes as assigned by the Division of Abandoned Mine Land Reclamation
GEOGRAPHIC COVERAGE	:Eastern and western coal regions of Kentucky (about 40% of the state)
GEOGRAPHIC REFERENCE	:Latitude/longitude
MINIMUM RESOLUTION	Universal Transverse Mercator
DATA STORAGE FORMAT	:Polygon
OUTPUT PRODUCTS	:Maps (variable scale)
UPDATE FREQUENCY	:One time only
CLASSIFICATION	:Refer to KNRIS User Guide
	:Contains all identified areas abandoned before 1977
DATA CATEGORY NAME	:Infrastructure - roads, landfill sites, coal mining, extractive activity (non-coal), land use, trails, communication and transportation facilities, power transmission facilities, railroads, pipelines
GEOGRAPHIC COVERAGE	:Eastern and western coal regions of Kentucky (about 40% of the state)
GEOGRAPHIC REFERENCE	:Latitude/longitude
MINIMUM RESOLUTION	Universal Transverse Mercator
DATA STORAGE FORMAT	:Site specific
OUTPUT PRODUCTS	:Coordinate point, line
DATA SOURCES	:Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries
LEVEL OF RELIABILITY	:Secondary
UPDATE FREQUENCY	:Moderate
CLASSIFICATION	:No routine updates
	:Refer to KNRIS User Guide
DATA CATEGORY NAME	:Soils - association
GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Secondary
DATA CATEGORY NAME	:Surface water - stream network
GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Latitude/longitude
DATA STORAGE FORMAT	Universal Transverse Mercator
DATA SOURCES	:Line
LEVEL OF RELIABILITY	:Secondary
	:High
DATA CATEGORY NAME	:Base data - counties, incorporated areas
GEOGRAPHIC COVERAGE	:Statewide
MINIMUM RESOLUTION	:By county
DATA STORAGE FORMAT	:Polygon
OUTPUT PRODUCTS	:Maps (variable scale)
DATA SOURCES	:Secondary
UPDATE FREQUENCY	:One time only
DATA CATEGORY NAME	:Land cover - barren land, forest land, rangeland, water, cropland, pasture
GEOGRAPHIC COVERAGE	
GEOGRAPHIC REFERENCE	
MINIMUM RESOLUTION	
DATA STORAGE FORMAT	
OUTPUT PRODUCTS	
DATA SOURCES	
UPDATE FREQUENCY	

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KY001-01
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GEOGRAPHIC COVERAGE :Statewide
MINIMUM RESOLUTION :10 acres
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, modeling capability
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :No updates planned
CLASSIFICATION :Level 1 classification from 1981 Landstat data (unsupervised)

DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate

DATA CATEGORY NAME :Cultural areas - historical sites, archaeological sites
GEOGRAPHIC COVERAGE :Statewide
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Monthly
CONFIDENTIALITY :Archaeological site location data is released only with authorization from the Office of State Archaeology
COMMENTS :Data are maintained in cooperation with the Kentucky Heritage Council and Office of State Archaeology

DOCUMENTATION :User Guide to the Data and Capabilities of the Kentucky Natural Resources Information System, Natural Resources and Environmental Protection Cabinet (May 1982); System Description (June 1983)
USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :6/28/83
PAPER FILE NUMBER :KY

DATA CATEGORY NAME :Rare/threatened/endangered species
GEOGRAPHIC COVERAGE :Statewide
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Quarterly
CONFIDENTIALITY :Request must be received in writing and authorized by the Kentucky Nature Preserves Commission
COMMENTS :Data are maintained in cooperation with the Kentucky Nature Preserves Commission

DATA CATEGORY NAME :Public water - withdrawal, discharge
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Universal Transverse Mercator
DATA STORAGE FORMAT :Site specific
OUTPUT PRODUCTS :Coordinate point
:Maps (variable scale), tables, graphics, computer tape

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KY001-01
(cont.)

CODE :KY002-01

STATE :KY
DATA BASE NAME :KY Heritage Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Kentucky and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :KY Nature Preserves Commission
RESPONDENT :Richard Hannan, Director/Botanist
KY Heritage Program
KY Nature Preserves Commission
407 Broadway
Frankfort, KY 40601
Telephone: 562-564-2886
OTHER CONTACTS :Brian Anderson, Zoologist
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :KY4

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KY002-01



CODE :LA001-01

STATE :LA
 DATA BASE NAME :LA Water Well Inventory
 SUBJECT COVERAGE :Location and attributes of water wells
 GEOGRAPHIC COVERAGE :Statewide, especially the southern half
 AGENCY :LA Geological Survey
 RESPONDENT :Bradford C. Hanson, Section Chief
 LA Geological Survey
 Water Resources Division
 7434 Perkins Road, Suite D
 Baton Rouge, LA 70808
 Telephone: 504-342-7460
 OTHER CONTACTS :Renwick Deville, Program Manager
 Telephone: 504-342-7460
 :Brenda David
 Computer Operations
 Telephone: 504-342-6720
 :Charles Grant, Director
 Telephone: 504-342-6754

MINIMUM RESOLUTION :Site specific; by county
 OUTPUT PRODUCTS :Tables, graphics, computer tape, statistical summaries, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Weekly
 COMMENTS :This information is made available through a cooperative program with the U.S. Geological Survey, the Department of Public Health, LA Office of Highways, and LA Office of Public Works

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DOCUMENTATION :None available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :7/14/83
 PAPER FILE NUMBER :LA7

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :La State University
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :MINST, MP/M, CP/M
 SYSTEM CAPACITY :Main memory: 64K
 Disc storage: 83MB
 Simultaneous users supported: 8 (currently)
 LANGUAGE(S) :FORTRAN
 Assembler
 BASIC
 PASCAL
 SPECIALIZED SOFTWARE :PLOT 10
 DATASTAT
 REPORTSTAR
 INFOSTAT
 SAS
 PERIPHERAL DEVICES :Monochrome graphics CRT, line following digitizer, line printer, dot matrix printer with graphics, 8 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology - water wells, location, depth, aquifer, yield, usage, geology, water quality
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude

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LA001-01

CODE :LA002-01

STATE :LA
DATA BASE NAME :HODGES GARDENS
SUBJECT COVERAGE :Vegetation
GEOGRAPHIC COVERAGE :Privately owned Botanical Garden in Louisiana
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
DG ECLIPSE S/130
RESIDENCE :In-house
Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -
hydrology, transportation, topography, cultural
features, soils, existing land uses, analysis of
visual corridors, slope, aspect, proximity features
GEOGRAPHIC COVERAGE :4700 acre privately owned Botanical Garden, located
in West Central Louisiana near Many, LA

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DATE OF INFORMATION :2/14/83
PAPER FILE NUMBER :MS2

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LA002-01

ORIGINAL PAGE IS
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CODE :LA003-01

DATA CATEGORY NAME :Geology -
surface features
GEOGRAPHIC COVERAGE :Statewide

STATE :LA
DATA BASE NAME :LA Areal Resource Information System
DATA BASE ACRONYM :LARIS
SUBJECT COVERAGE :Land use, soils data, base data, geology
GEOGRAPHIC COVERAGE :Statewide
STATUS :Operational, but present system needs to be upgraded to
handle increasing data volume; data base initiated in
1975
AGENCY :LA Office of State Planning
RESPONDENT :Richard Dugas
LA Areal Resource Information System
LA Office of State Planning
P.O. Box 44425, Capitol Station
Baton Rouge, LA 70804
Telephone: 504-342-7410
OTHER CONTACTS :Glenn Daigre, Land Use Coordinator

DATE OF INFORMATION :5/10/83
PAPER FILE NUMBER :LAI

COMPUTER FACILITIES

COMPUTER(S) :DG C/300
IIN 3031
RESIDENCE :DG C/300 is in-house; line to IBM 3031

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Tektronix with hardcopy capability; access to a plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use
GEOGRAPHIC COVERAGE :Statewide
COMMENTS :Data available for 1974 land use, 1980 (USGS) land use

DATA CATEGORY NAME :Soils data -
association, series
GEOGRAPHIC COVERAGE :Statewide
COMMENTS :Soils associations are available for the entire state;
detailed soils survey data has been completed for 23
parishes

DATA CATEGORY NAME :Base data -
watershed, census boundaries
GEOGRAPHIC COVERAGE :Statewide
COMMENTS :Drainage basins digitized for 208 water quality pro-
gram use

LA003-01

CODE :MA001-01

CODE :MA002-01

STATE :MA
 DATA BASE NAME :MA Wildlife Inventory
 DATA BASE ACRONYM :WINVNT
 SUBJECT COVERAGE :Wildlife distribution and status
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This data base is being developed to provide information on the distributions of terrestrial vertebrates in Massachusetts. At this time, only mammalian records are available; records on other vertebrates (birds, reptiles and amphibians) are being added as time permits.
 AGENCY RESPONDENT :MA Division of Fisheries and Wildlife
 :James E. Cardoza, Game Biologist
 :MA Division of Fisheries and Wildlife
 :Field Headquarters
 :Westboro, MA 01581
 :Telephone: 617-366-4479
 OTHER CONTACTS :Richard Keller, Assistant Aquatic Biologist
 :Kristine Corey, Jr. Planner

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 175
 RESIDENCE :University of Massachusetts, Amherst
 OPERATION :Interactive

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 :distribution, status, threatened, endangered, game
 :mammals), non-game (mammals)
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :By town
 :By county
 :By town
 MINIMUM RESOLUTION :
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate to high (varies by source)
 CONFIDENTIALITY :Locality data for endangered, threatened or other
 :special status species is subject to restricted access
 COMMENTS :Records for other vertebrates (birds, reptiles and
 :amphibians) are being added as time permits

DOCUMENTATION :User's Manual (preliminary version) available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :7/13/83
 PAPER FILE NUMBER :SMA9

STATE :MA
 DATA BASE NAME :MA Heritage Program
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This program was undertaken as a cooperative effort between the State of Massachusetts and The Nature Conservancy, a national nonprofit conservation organization.
 AGENCY RESPONDENT :MA Department of Environmental Management
 :John Feingold, Coordinator
 :MA Heritage Program
 :MA Department of Environmental Management
 :Division of Planning
 :100 Cambridge Street
 :Boston, MA 02202
 :Telephone: 617-727-3160
 OTHER CONTACTS :Bruce Sorrie, Botanist
 :Judy Harding, Zoologist
 :Allison S. Fleming, Data Manager/Environmental Rev.
 :Henry Woolsey, Plant Ecologist
 :Lauren Meier, Data Handler
 :Gro Flutebo, Preservation Plan
 :Shellic Gareau, Procedures Specialist
 :The Nature Conservancy
 :1800 North Kent Street
 :Arlington, VA 22209
 :Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -
 :e. biological values (plant and animal species, plant
 :communities, aquatic systems, critical habitats and
 :other natural features) of particular interest because
 :they are exemplary, rare, or endangered at the state
 :or national level
 GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
 DATE OF INFORMATION :1/21/83
 PAPER FILE NUMBER :SMA12

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MA002-01

CODE :MA003-01

CODE :MA004-01

STATE :MA
 DATA BASE NAME :New England Regional Heritage
 GEOGRAPHIC COVERAGE :New England states
 STATUS :This program was undertaken as a cooperative effort between the New England states and The Nature Conservancy, a national nonprofit conservation organization. The program is based in Boston, MA.
 * ENCY RESPONDENT :New England Regional Heritage
 :Larry Master, Coordinator/Zoologist
 New England Regional Heritage
 294 Washington Street
 Room 446
 Boston, MA 02108
 Telephone: 617-423-9496
 OTHER CONTACTS :Frances Brackley, Botanist
 :Tom Rawinski, Plant Ecologist
 :Tom French, Zoologist/Data Manager
 :Shellie Gareau, Procedures Specialist
 The Nature Conservancy
 1800 North Kent Street
 Arlington, VA 22209
 Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
 GEOGRAPHIC COVERAGE :New England states

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
 DATE OF INFORMATION :1/21/83
 PAPER FILE NUMBER :MA13

STATE :MA
 DATA BASE NAME :ACID
 SUBJECT COVERAGE :Environmental quality
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Repository initiated in 1980
 AGENCY :MA Department of Fisheries, Wildlife, and Recreational Vehicles
 RESPONDENT :Richard Keller, Assistant Aquatic Biologist
 MA Department of Fisheries, Wildlife, and Recreational Vehicles
 Division of Fisheries and Wildlife
 Field Headquarters
 Westboro, MA 01581
 Telephone: 617-366-4470

COMPUTER FACILITIESCOMPUTER(S) :CDC CYBER 175
 RESIDENCE :University of Massachusetts - AmherstDESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - water body codes, location, pH, total alkalinity, severity index, access type, fisheries value assessment, acid problems, stocking data
 GEOGRAPHIC COVERAGE :Statewide
 COMMENTS :Data base contains historical data from 1950s on

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DATE OF INFORMATION :1/14/83
 PAPER FILE NUMBER :MA8ORIGINAL PAGE IS
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MA004-01

STATE :MD
 DATA BASE NAME :MD Automated Geographic Information System
 DATA BASE ACRONYM :MAGI
 SUBJECT COVERAGE :Base data, cultural areas, land cover, soils data, topography, geology, surface water, vegetation and wildlife
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :MD Department of State Planning
 RESPONDENT :Susan T. Alderman, Chief
 Geographic Information Systems
 Office of Planning Data
 MD Department of State Planning
 301 West Preston Street
 Baltimore, MD 21201-2365
 Telephone: 301-383-5664
 OTHER CONTACTS :Nichel A. Lettre, Director
 Office of Planning Data

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/82
 PRIME 550
 APPLE II
 RESIDENCE :University of Maryland, College Park Campus
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Two TEK 4014 graphics terminals (one is kept at the University of Maryland for software development and testing), color graphics CRT, color image display, scanning digitizer, dot matrix printer with graphics, small flatbed pen plotter, eight hard copy terminals, two alphanumeric CRTs, two Tektronix 4631 hard copy units used with 4014 graphics terminals

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data - counties, census tracts, watersheds, regional planning districts, minor civil divisions
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 MINIMUM RESOLUTION :91.8-acre grid cell
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :One time only

DATA CATEGORY NAME

 GEOGRAPHIC COVERAGE :Cultural areas - historic sites, archaeological sites, selected Maryland Heritage Program Sites, sewerage and water service areas, County Comprehensive Land Use Plans, open space, recreation areas, major highways, other rights of way
 GEOGRAPHIC REFERENCE :Statewide
 MINIMUM RESOLUTION :91.8-acre grid cell
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Sewerage and water service areas - as new county plans are approved and adopted; County Comprehensive Land Use Plans - as new county plans are approved and adopted; major highways and other rights of way - every 2-3 years; selected Maryland Heritage Program Sites - annually; open space and recreation areas - every 1-2 years; archaeological sites - out of date, date of next update unknown
 CONFIDENTIALITY :Archaeological data subject to disclosure requirements of the State Archaeologist
 CLASSIFICATION :Sewerage and Water Service Area Definitions (Appendix 8); County Comprehensive Land Use Plan Classification Scheme (Appendix 9)

DATA CATEGORY NAME

 GEOGRAPHIC COVERAGE :Land cover - 1973, 1978, 1981, barren land, forest land, water, wetlands, cropland, pasture, urban/built-up
 GEOGRAPHIC REFERENCE :Statewide
 MINIMUM RESOLUTION :91.8-acre grid cell (minimum mapping unit on base maps is 10 acres)
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Every 5 years (as statewide photography and funding are available)
 CLASSIFICATION :Anderson Level III

DATA CATEGORY NAME :Land cover - wetlands
 GEOGRAPHIC COVERAGE :Statewide

DATA CATEGORY NAME	:Soils data - engineering characteristics, capability class, productivity, erosion, natural soil groups	DATA CATEGORY NAME	:Surface water hydrology - quality, stream class, water use class, bay bathymetry
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:State Plane Coordinates	GEOGRAPHIC REFERENCE	:State Plane Coordinates
MINIMUM RESOLUTION	:91.8-acre grid cell	MINIMUM RESOLUTION	:91.8-acre resolution
DATA STORAGE FORMAT	:Grid	DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping	OUTPUT PRODUCTS	:Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping
DATA SOURCES	:Secondary	DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:High	LEVEL OF RELIABILITY	:High
UPDATE FREQUENCY	:At the discretion of the Coastal Resources Division (last update in 1978)	CLASSIFICATION	:Van Deuse Stream Classification System (Appendix 10); Water Use Class Definitions
DATA CATEGORY NAME	:Topography - percent slope	DATA CATEGORY NAME	:Wildlife - management, habitat, threatened, endangered, edge effect, selected Maryland Heritage Program Sites
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:State Plane Coordinates	GEOGRAPHIC REFERENCE	:State Plane Coordinates
MINIMUM RESOLUTION	:91.8-acre grid cell	MINIMUM RESOLUTION	:91.8-acre grid cell
DATA STORAGE FORMAT	:Grid	DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping	OUTPUT PRODUCTS	:Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping
DATA SOURCES	:Secondary	DATA SOURCES	:Primary and secondary
LEVEL OF RELIABILITY	:Moderate	LEVEL OF RELIABILITY	:High
UPDATE FREQUENCY	:One time only	UPDATE FREQUENCY	:Heritage data updated annually; endangered species data updated biennially; edge effect data updated as needed by the MD Wildlife Administration
DATA CATEGORY NAME	:Geology - physiography, geologic formation, mineral resources	DATA CATEGORY NAME	:Vegetation - communities, forest cover types
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:State Plane Coordinates	GEOGRAPHIC REFERENCE	:State Plane Coordinates
MINIMUM RESOLUTION	:91.8-acre grid cell	MINIMUM RESOLUTION	:91.8-acre grid cell
DATA STORAGE FORMAT	:Grid	DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping	OUTPUT PRODUCTS	:Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping
DATA SOURCES	:Secondary	DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:High	LEVEL OF RELIABILITY	:High
UPDATE FREQUENCY	:One time only	UPDATE FREQUENCY	:At the discretion of the Maryland Forest Service; last updated in 1951
DATA CATEGORY NAME	:Geology - physiography, geologic formation, mineral resources	DOCUMENTATION	: "MAGI", MD Department of State Planning Pub. # 81-13, revised April 1981; descriptions of software, data encoding format/procedures and data type also available
GEOGRAPHIC COVERAGE	:Statewide	USER FEES POLICY	:None charged on a cost recovery basis
GEOGRAPHIC REFERENCE	:State Plane Coordinates	DATE OF INFORMATION	:7/15/83
MINIMUM RESOLUTION	:91.8-acre grid cell	PAPER FILE NUMBER	:MD1-1
DATA STORAGE FORMAT	:Grid		
OUTPUT PRODUCTS	:Maps (variable scale), computer tape, modelling capability, statistical summaries, composite mapping		
DATA SOURCES	:Secondary		
LEVEL OF RELIABILITY	:High to moderate		
UPDATE FREQUENCY	:Geologic formation - one time only; mineral resources - as new data are available		

CODE :MD001-02

STATE :MD
 DATA BASE NAME :MD Geographic Districting Information System
 DATA BASE ACRONYM :MDGIS
 SUBJECT COVERAGE :Demography
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This information system is compatible with the
 MD Automated Geographic Information System (MAGI)
 (Code: MD001-01)
 AGENCY RESPONDENT :MD Department of State Planning
 :Susan T. Alderman, Chief
 Geographic Information Systems
 Office of Planning Data
 MD Department of State Planning
 301 West Preston Street
 Baltimore, MD 21201-2365
 Telephone: 301-383-5664
 OTHER CONTACTS :Nichel A. Lettre, Director
 Office of Planning Data

DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Decennially

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DOCUMENTATION :"Maryland Geographic Districting Information System"
 publication available
 USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :7/15/83
 PAPER FILE NUMBER :MD1-2

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/82
 PRIME 590
 APPLE IIe
 RESIDENCE :University of Maryland, College Park Campus
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Two Tektronix 4014 graphics terminals (one is kept
 at the University of Maryland for software devel-
 opment and testing), color graphics CRT, color
 image display, scanning digitizer, dot matrix
 printer with graphics, small flushed pen plotter,
 eight hard copy terminals, two alphanumeric CRTs,
 two Tektronix 4631 hard copy units used with 4014
 graphics terminals

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -
 populations, social aspects, economic aspects, census
 tracts, minor civil divisions, counties, over 2,000
 socio-economic characteristics
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 MINIMUM RESOLUTION :1980 Census Tracts, 1980 Minor Civil Divisions
 DATA STORAGE FORMAT :Arc/node
 OUTPUT PRODUCTS :Maps (variable scale), graphics, statistical sum-
 maries, interactive video display capability

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CODE :MD001-03

STATE :MD
DATA BASE NAME :MD Recreation Inventory System
SUBJECT COVERAGE :Recreation and open space
GEOGRAPHIC COVERAGE :Statewide
AGENCY :MD Department of State Planning
RESPONDENT :Susan T. Alderman, Chief
Geographic Information Systems
Office of Planning Data
MD Department of State Planning
301 West Preston Street
Baltimore, MD 21201-2365
Telephone: 301-383-5664
OTHER CONTACTS :Michel A. Lettre, Director
Office of Planning Data

DOCUMENTATION :"Maryland Recreation and Open Space Plan Report I:
Inventory" (May 1982)
USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :7/15/83
PAPER FILE NUMBER :MDI-3

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/82
PRIME 550
APPLE IIe
RESIDENCE :University of Maryland, College Park Campus
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Two Tektronix 4014 graphics terminals (one is kept
at the University of Maryland for software development and testing), color graphics CRT, color
image display, scanning digitizer, dot matrix
printer with graphics, small flatbed pen plotter,
eight hard copy terminals, two alphanumeric CRTs,
two Tektronix 4631 hard copy units used with 4014
graphics terminals

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation and open space -
ownership, facilities
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :State Plane Coordinates
MINIMUM RESOLUTION :91.8-acre grid cell
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, modeling capability, statistical summaries, composite mapping
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Every 2-3 years

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MD001-03

CODE :MD002-01

STATE :MD
DATA BASE NAME :MD Natural Heritage Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :The MD Natural Heritage Program was established in 1979 as a cooperative effort between the State of Maryland and The Nature Conservancy, a private nonprofit organization dedicated to the preservation of natural diversity.
AGENCY :MD Department of Natural Resources
RESPONDENT :George H. Fenwick, Chief/Aquatic Biologist
MD Natural Heritage and Environmental Review
MD Department of Natural Resources
Towes State Office Building, C-3
Annapolis, MD 21401
Telephone: 301-269-3656
OTHER CONTACTS :Don Boone, Botanist
:Mary Brosnan, Zoologist/Data Manager
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide
OUTPUT PRODUCTS :Variety of reports tailored to specific user requests
DATA SOURCES :Primary

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DOCUMENTATION :"Maryland's Natural Heritage" (brochure); "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :2/7/83
PAPER FILE NUMBER :MD7

MD002-01

CODE :ME001-01

STATE :ME
 DATA BASE NAME :ME Lakes Morphometric Data System
 SUBJECT COVERAGE :Surface water
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :ME Department of Environmental Protection
 RESPONSIENT :Barbara Welch, Biologist
 ME Department of Environmental Protection
 State House Station 17
 Augusta, ME 04333
 Telephone: 207-289-3901
 OTHER CONTACTS :Wayne Gallant, Computer Programmer
 Telephone: 207-289-2691
 :Henry Warren, Commissioner
 Telephone: 207-289-2811

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL 8/52D
 :HONEYWELL 6/43
 :HONEYWELL 610
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :GCOS 3 (HONEYWELL 8/52D)
 :MOD 400 Release 2rk (HONEYWELL 6/43)
 :MOD 400 Release 3.0 (HONEYWELL 610)
 SYSTEM CAPACITY :HONEYWELL 8/52D:
 :Main memory: 6MB
 :Disc storage: 4 Billion
 :Simultaneous users supported: >200
 :HONEYWELL 6/43:
 :Main memory: 1.28MB
 :Disc storage: 100MB
 :Simultaneous users supported: 20
 :HONEYWELL 610:
 :Main memory: 256K
 :Disc storage: 720K
 :Simultaneous users supported: 1
 LANGUAGE(S) :COBOL
 :FORTRAN
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,
 line printer, 5 hard copy terminals, 15 alpha-
 numeric CRTS

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
 quality parameters, location, drainage area, runoff

coefficient, morphometric parameters
 :Statewide
 :Universal Transverse Mercator
 :2-meter intervals per lake for morphometry
 :Tabular
 :Tables, interactive video display capability
 :Primary and Secondary
 :Moderate
 :As needed

DOCUMENTATION :Descriptions of hardware, software and data encoding
 format/procedures available
 USER FERS POLICY :Products and services available at no charge
 DATE OF INFORMATION :7/21/83
 PAPER FILE NUMBER :ME7-2

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ME001-01

CODE :ME001-02

STATE :ME
 DATA BASE NAME :ME Lakes Water Quality Data System
 SUBJECT COVERAGE :Environmental quality - water
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY RESPONDENT :ME Department of Environmental Protection
 :Barbara Welch, Biologist
 :ME Department of Environmental Protection
 :State House Station 17
 :Augusta, ME 04333
 :Telephone: 207-289-3901
 OTHER CONTACTS :Wayne Gallant, Computer Programmer
 :Telephone: 207-289-2691
 :Henry Warren, Commissioner
 :Telephone: 207-289-2811

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL 8/52D
 :HONEYWELL 6/43
 :HONEYWELL 610
 RESIDENCE OPERATION :In-house
 :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :GCOS 3 (HONEYWELL 8/52D)
 :NOD 400 Release 2rk (HONEYWELL 6/43)
 :NOD 400 Release 3.0 (HONEYWELL 610)
 SYSTEM CAPACITY :HONEYWELL 8/52D:
 :Main memory: 6MB
 :Disc storage: 4 Billion
 :Simultaneous users supported: >200
 :HONEYWELL 6/43:
 :Main memory: 1.28MB
 :Disc storage: 100MB
 :Simultaneous users supported: 20
 :HONEYWELL 610:
 :Main memory: 256K
 :Disc storage: 720K
 :Simultaneous users supported: 1
 LANGUAGE(S) :COBOL
 :FORTRAN
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,
 :line printer, 5 hard copy terminals, 15 alpha-
 :numeric CRTS

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
 :water quality parameters, temperature, pH, dissolved

GEOGRAPHIC COVERAGE :oxygen, chlorophyll a, alkalinity, transparency, total
 phosphorus
 :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :By lake
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, statistical summaries
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Biennially

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DOCUMENTATION :Descriptions of hardware, software and data encoding
 format/procedures available
 USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :7/21/83
 PAPER FILE NUMBER :ME7-1

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ME001-02

CODE :M1001-01

STATE :MI
DATA BASE NAME :Local Unit Computerized Information
DATA BASE ACRONYM :LUCI
SUBJECT COVERAGE :Demography, land area
GEOGRAPHIC COVERAGE :Statewide
AGENCY :MI Department of Commerce
RESPONDENT :Carol Hoffman, Director
Office of Community Development
MI Department of Commerce
525 West Ottawa Street
P.O. Box 30004
Lansing, MI 48909
Telephone: 517-373-8363
OTHER CONTACTS :Tom Nicholas, Data Base Manager
Telephone: 517-373-2685

DOCUMENTATION :LUCI Data Base Dictionary
USER FEES POLICY :Products and services available at no charge
DATE OF INFORMATION :7/20/83
PAPER FILE NUMBER :M14

COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS 6800
RESIDENCE :Treasury, Central Systems Data System
OPERATION :Interactive

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -
populations, social aspects, economic aspects
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :By county
By city
By township
By village
MINIMUM RESOLUTION :By county, city, township, or village
OUTPUT PRODUCTS :Tables, graphics (crude), modeling capability,
statistical summaries
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuously

DATA CATEGORY NAME :land area
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :By local political subdivision
MINIMUM RESOLUTION :1 square mile (section)
OUTPUT PRODUCTS :Tables, graphics, statistical summaries
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :No regular update

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M1001-01

CODE :M1002-01

STATE :MI
 DATA BASE NAME :MI Resource Information System
 SUBJECT COVERAGE :Boundaries (base maps), surface water hydrology (base maps), land use (current use), land resources
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Under development
 AGENCY :MI Department of Natural Resources
 RESPONDENT :Michael Scieszko, Program Manager
 Land Resource Programs Division
 MI Department of Natural Resources
 Stevens T. Mason Building
 P.O. Box 30028
 Lansing, MI 48909
 Telephone: 517-373-3328

COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4052A
 :DEC PDP 11/70
 :BURROUGHS 7700
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M PLUS VOI BLG (for DEC PDP 11/70)
 SYSTEM CAPACITY :Main memory: 768K
 Disc storage: 300MB
 Simultaneous users supported: 8
 LANGUAGE(S) :FORTRAN IV
 SPECIALIZED SOFTWARE :Calccomp standard
 :DNMS ~ Intergraph Inc.
 PERIPHERAL DEVICES :4 monochrome graphics CRTs, 2 tablet-free cursor digitizers, small flatbed pen plotter, precision flatbed pen plotter, 1 hard copy terminal, 1 alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Boundaries (base maps) - state, counties, townships, streets, highways, section corners, section numbers, governmental boundaries
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately 50% of the state complete to date
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 DATA STORAGE FORMAT :Polygon
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High

DATA CATEGORY NAME :Surface water hydrology - lakes, streams, drains, intermittent streams
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately 50% of the state complete to date
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 MINIMUM RESOLUTION :1 acre (for lakes)
 DATA STORAGE FORMAT :Polygon
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High

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DATA CATEGORY NAME :Land use (current use) - urban, agriculture, nonforested, forested, water, wetlands, barren
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately 25% of the state is complete to date
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 MINIMUM RESOLUTION :2-5 acres
 DATA STORAGE FORMAT :Polygon; polygon converted to grid
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Every 5 years
 CLASSIFICATION :From Anderson levels 3, 4, and 5 selectively to meet needs

DATA CATEGORY NAME :Land resources - mineral extraction/energy production, unique areas, sensitive areas, public lands, legally restricted lands, prime lands, agriculture lands, forest lands
 GEOGRAPHIC COVERAGE :Statewide eventually; approximately 20% of the state is complete to date
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 MINIMUM RESOLUTION :10 acres; 2-5 acres
 DATA STORAGE FORMAT :Grid, polygon, coordinate point
 OUTPUT PRODUCTS :Maps (variable scale), computer tape, statistical summaries, interactive video display
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High to moderate
 UPDATE FREQUENCY :Every 10 years
 CONFIDENTIALITY :Location of threatened and endangered species and archaeological sites subject to restricted access

DOCUMENTATION :General description of the data base available; also information on hardware, data assessment procedures and data type
 USER FEES POLICY :Fees charged on a cost recovery basis; contractual work furthering data base construction would be considered
 DATE OF INFORMATION :7/11/83
 PAPER FILE NUMBER :M15

M1002-01

CODE :MI003-01

STATE :MI
DATA BASE NAME :MI Natural Features Inventory
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Michigan and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :MI Department of Natural Resources
RESPONDENT :Sue Crispin, Coordinator/Botanist
MI Natural Features Inventory
MI Department of Natural Resources
Land Resource Programs
Box 30028
Lansing, MI 48909
Telephone: 517-373-1552
OTHER CONTACTS :Kim Chapman, Plant Ecologist
:Stu Ouwinga, Data Manager
:Judy Soule, Zologist/Data Handler
:Sheilie Gureau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :DEC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :MI6

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MI003-01

STATE :MN
 DATA BASE NAME :MN Land Management Information Center
 DATA BASE ACRONYM :LMIC
 SUBJECT COVERAGE :Geographic base map or boundary data, resource data, and ownership data, outdoor recreation, soils data, cropland productivity, others
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :The Minnesota Land Management Information Center (LMIC) is organized into three functional areas: (1) the Minnesota Land Management Information System (MLMIS) and its Service Bureau, (2) the Mapping and Remote Sensing Information Center (MARSIC) and (3) the Minnesota Natural Resource Information and Data Exchange (INDEX).
 MLMIS includes both (1) the systems section which defines the data base structure, develops new analysis tools and enters new data and (2) the Service Bureau which provides assistance to users of the data and analysis systems on a contractual basis (see Code: MN001-02 for details).
 MARSIC centralizes mapping and remote sensing information for the state. Catalogs of Minnesota's aerial photography and mapping products are compiled and information on other remote sensing and mapping data can be obtained from the center.
 INDEX is a computerized clearinghouse for sources of natural resource information in Minnesota. The system contains files on published and unpublished documents, resource persons, data collections, research-in-progress, maps and remote sensing products, and Minnesota Environmental Impact Statements. Custom searches may be done on the full-text searchable interactive data base.

The Land Management Information Center maintains summary/reference data bases, geographic data bases, MLMIS 40-acre parcel data, and programmatic/administrative data bases. These data bases are itemized below:

SUMMARY/REFERENCE DATA BASES

- Catalog of Data Sources: Land Use in Minnesota (Land Use Catalog)
- Community Profiles of Population and Housing (Towns)
- FIPS
- Geographic Place Names
- Housing and Urban Development (HUD) County and Adequacy to Serve Human Services Needs
- INDEX (Information and Data Exchange)
- Lake Summary Data Base
- Minnesota Resource Profiles
- Systems for Water Information Management (SWIN)

Catalog
- Tools of Techniques and Planning

GEOGRAPHIC DATA BASES
 (Refer to "Description of Data Categories" for details of 17 Geographic Data Bases)

MLMIS 40 ACRE PARCEL DATA
 (Refer to "Description of Data Categories" for details of 29 files of MLMIS 40-Acre Parcel Data)

PROGRAMMATIC/ADMINISTRATIVE DATA BASES

- Developmental Disability Statistical Data Base
- Mailing Labels
- Outdoor Recreation Grants Information
- Tourism Labeling System
- USGS Topographic Mapping Priorities

AGENCY RESPONDENT
 :MN State Planning Agency
 :Janice McAllister, Research Analyst
 MN State Planning Agency
 Room 11-45 Metro Square Building
 7th & Robert Streets
 St. Paul, MN 55101
 Telephone: 612-296-2079
OTHER CONTACTS
 :Alan Robinette, Director
 Office of Physical Resources Planning
 Telephone: 612-296-1211

COMPUTER FACILITIES

COMPUTER(S)	:PRIME 850
RESIDENCE	:In-house
OPERATION	:Batch and interactive
GIS CAPABILITY	:Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY	:Main memory: 4MB Disc storage: 900MB
SPECIALIZED SOFTWARE	:EPPL (Environmental Planning and Programming language)
PERIPHERAL DEVICES	:Two Tales 36" x 48" digitizers (one backlit), Digit PDT-11 micro-computer with 60 KB and dual floppy disks, three VT 100 CRT's, Tektronix 4012 Graphic CRT, Houston Instruments DP-883 three-pen drum plotter, Versatec 812 22" Electrostatic Plotter, Printronic line printer with Trilog Colorplot 100; Image Processing Station consisting of DeAnza IP5524 Image Array Processor with 756 KB of refresh memory, 512 x 512 resolution screen, dual cursor, joystick, and color look-up tables

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Cultural resources -

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	created by the MN Department of Natural Resources by digitizing 7 1/2" USGS topographic maps		
DATA CATEGORY NAME	:Rural subdivisions - location and sales activity of subdivided lands registered by the State Department of Commerce and Real Estate; total lots registered and sales data for subdivisions of 10 lots or larger from 1977 to 1981	DATA CATEGORY NAME	:Ownership - actual acreage owned by the state
GEOGRAPHIC COVERAGE COMMENTS	:Statewide :Data included in the "Rural Subdivisions" data base	GEOGRAPHIC COVERAGE COMMENTS	:Statewide :Forty-acre parcel :The MN Department of Natural Resources administers a majority of the land owned by the State of Minnesota; this "Acreage" variable is part of the MNMIS 40-Acre Parcel Data, and contains information for each of the 1,400,000 forty-acre parcels
DATA CATEGORY NAME	:Transportation - gravel pit inventory, ownership and use characteristics for nearly 6000 sites	DATA CATEGORY NAME	:State lands - administering division for Department of Natural Resources lands; administration of tax-forfeited lands which are state-owned but county administered
GEOGRAPHIC COVERAGE COMMENTS	:Statewide :The MN Department of Transportation gravel pit inventory provides a historical view of gravel exploration and production as used for highway construction purposes; data included in the "Sand and Gravel Data Base"	GEOGRAPHIC COVERAGE COMMENTS	:Statewide :Forty-acre parcel :The MN Department of Natural Resources administers a majority of the land owned by the state; land management can be inferred from this "Administering Agency" variable of the MNMIS 40-Acre Parcel Data
DATA CATEGORY NAME	:Base data - section corners	DATA CATEGORY NAME	:Agriculture - relative suitability of areas for agricultural production based on soil characteristics and climate; productivity rating
GEOGRAPHIC COVERAGE COMMENTS	:Statewide :Universal Transverse Mercator :The "State Section Corner Data" data base contains a collection of estimated UTM coordinates of all section corners as digitized from 7 1/2" USGS topographic maps	GEOGRAPHIC COVERAGE COMMENTS	:Statewide :Forty-acre parcel :This "Cropland Productivity" variable is part of the MNMIS 40-Acre Parcel Data
DATA CATEGORY NAME	:Surface water hydrology - daily mean flow readings for approximately 60 gaging stations around the state	DATA CATEGORY NAME	:Ownership - land parcels owned by various departments of the federal government
COMMENTS	:The "Streamflow Data" data base contains a collection acquired by the Power Plant Siting staff of the Environmental Quality Board	GEOGRAPHIC COVERAGE COMMENTS	:Statewide :Forty-acre parcel :This "Federal Land Ownership 1978" variable is part of the MNMIS 40-Acre Parcel Data
DATA CATEGORY NAME	:Geology - location and general characteristics of approximately 7000 high capacity wells	DATA CATEGORY NAME	:Site assessment - highest recommended use for land administered by the MN Department of Natural Resources
GEOGRAPHIC COVERAGE COMMENTS	:Statewide :The "Wells Identifications" data base includes a developing collection created by the MN Geological Survey	GEOGRAPHIC COVERAGE COMMENTS	:Statewide :Forty-acre parcel :This "Highest Recommended Use" variable is part of the MNMIS 40-Acre Parcel Data

DATA CATEGORY NAME	:Transportation - 40-acre parcels adjacent to or containing roads and intersections; data classes denote various classes of road or intersection	DATA CATEGORY NAME	:Ownership - relationship between surface and subsurface land and minerals ownership for lands administered by the MN Department of Natural Resources
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC REFERENCE	:Forty-acre parcel
COMMENTS	:This "Highway Orientation" variable is part of the MNMIS 40-Acre Parcel Data	CLASSIFICATION	:Ownership classes are established by a combination of State and Federal laws, plus individual deed restrictions
DATA CATEGORY NAME	:Land use/land cover - nine classes of land use/land cover	COMMENTS	:This "Mineral Ownership" variable is part of the MNMIS 40-Acre Parcel Data
GEOGRAPHIC COVERAGE	:Statewide	DATA CATEGORY NAME	:Base data - minor civil divisions (MCD)
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC COVERAGE	:Statewide
COMMENTS	:This "Land Use/Land Cover 1969" variable was derived from high altitude aerial photography, and is part of the MNMIS 40-Acre Parcel Data	GEOGRAPHIC REFERENCE	:Forty-acre parcel
DATA CATEGORY NAME	:Forestry - groups of tree species which commonly grow in association; each variable class refers to a distinct forest type	COMMENTS	:The "Minor Civil Divisions 1970" variable contains political subdivisions (such as an incorporated municipality, township, or unorganized territory) defined by the U.S. Census Bureau for the 1970 Census. There are 2728 NCSs in Minnesota. This variable is part of the MNMIS 40-Acre Parcel Data, and may be used as a base map file which allows other data to be displayed by MCD within a county.
GEOGRAPHIC COVERAGE	:Statewide	DATA CATEGORY NAME	:Base data - identification and delineation of a detailed set of consistent height of land watershed boundaries; watershed units
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC COVERAGE	:Statewide
CLASSIFICATION	:U.S. Forest Service definitions of commercial forest lands	GEOGRAPHIC REFERENCE	:Forty-acre parcel
COMMENTS	:This "Major Forest Types 1977" variable is part of the MNMIS 40-Acre Parcel Data	COMMENTS	:This "Minor Watersheds" variable is part of the MNMIS 40-Acre Parcel Data
DATA CATEGORY NAME	:Base data - identification and delineation of a detailed set of consistent height of land watershed boundaries; watershed units	DATA CATEGORY NAME	:Ownership - ownership as of 1978 for land under federal, state or county jurisdiction
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC REFERENCE	:Forty-acre parcel
COMMENTS	:This "Major Watersheds" variable is part of the MNMIS 40-Acre Parcel Data	COMMENTS	:This "Public Land Ownership 1978" variable is part of the 40-Acre Parcel Data
DATA CATEGORY NAME	:State lands - legal method through which the state obtained ownership of land administered by the MN Department of Natural Resources or land which is tax forfeited	DATA CATEGORY NAME	:Base data - quarter-quarter sections from regular sections and irregular parcels, from the Public Land Survey
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC REFERENCE	:Forty-acre parcel
COMMENTS	:This "Means of Acquisition" variable is part of the MNMIS 40-Acre Parcel Data	COMMENTS	

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DATA CATEGORY NAME	:Base data - record of Range Numbers from the original Public Land Survey	DATA CATEGORY NAME	:State lands - second administering agency
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC REFERENCE	:Forty-acre parcel
COMMENTS	:This "Public Land Survey (PLS) Range Number" variable along with three other PLS variables is used to geographically link other data files to NLMIS	COMMENTS	:This "Second Administering Agency" variable is part of the NLMIS 40-Acre Parcel Data. These data come from the MN Department of Natural Resources (DNR) Land Ownership/Classification Record System. Land Ownership is collected by the DNR's Land Bureau which is the central depository for all land records in the Department. Land transactions are continually recorded by the Bureau and a computerized file of these records is updated annually. Land Classification and Tax-forfeited land records for this variable were added by the DNR's Policy Planning Section. As of July 1, 1979, tax-forfeited records will be obtained from county-generated lists supplied to DNR in compliance with State regulations in lieu of taxes.
DATA CATEGORY NAME	:Base data - record of section numbers from the original Public Land Survey	DATA CATEGORY NAME	:Site assessment - second recommended use for lands administered by the MN Department of Natural Resources
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC REFERENCE	:Forty-acre parcel
COMMENTS	:This "Public Land Survey (PLS) Section Number" variable along with three other PLS variables is used to geographically link other data files to NLMIS	COMMENTS	:This "Second Recommended Use" variable is part of the NLMIS 40-Acre Parcel Data
DATA CATEGORY NAME	:Base data - records of the Township Numbers from the original Public Land Survey	DATA CATEGORY NAME	:Landscape units - soil landscape units (group of soils generalized into a homogeneous unit based on sub-surface soil texture, surface soil texture, drainage characteristics, and surface color); geomorphic regions (physiographic areas defined by topographic relief and soil parent material)
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC REFERENCE	:Forty-acre parcel
COMMENTS	:This "Public Land Survey (PLS) Township Number" variable along with three other PLS variables is used to geographically link other data files to NLMIS	COMMENTS	:This "Soil Landscape Units and Geomorphic Regions" variable is part of the NLMIS 40-Acre Parcel Data.
DATA CATEGORY NAME	:Base data - school district boundaries	DATA CATEGORY NAME	:Soils data - relative suitability of areas for agricultural production
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	
GEOGRAPHIC REFERENCE	:Forty-acre parcel	GEOGRAPHIC REFERENCE	
COMMENTS	:Most counties have two or more districts and all but	COMMENTS	

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GEOGRAPHIC COVERAGE	based on soil texture, drainage, color, and slope; depth of rooting zone; and phosphorous/potassium content		
GEOGRAPHIC REFERENCE	:Statewide		
COMMENTS	:Forty-acre parcel :This "Soil Productivity For Cropland" variable is part of the NLMIS 40-Acre Parcel Data		
<hr/>			
DATA CATEGORY NAME	:Ownership - state land; identifies state lands held by state agencies other than the MN Department of Natural Resources		
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Forty-acre parcel :This "State Land Ownership" variable is part of the NLMIS 40-Acre Parcel Data		
<hr/>			
DATA CATEGORY NAME	:State lands - record of type of legal controls on lands administered by the MN Department of Natural Resources or is tax-forfeited		
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Forty-acre parcel :This "Statutory Land Class" variable is part of the NLMIS 40-Acre Parcel Data		
<hr/>			
DATA CATEGORY NAME	:Base data - townships		
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Forty-acre parcel :Because of surveying irregularities and the use of different PLS numbering schemes in parts of the State, some legal townships are not ideal square areal units six miles on a side, containing 36 square miles. For each legal township, NLMIS assigned a unique township number within each county. This "Townships" variable is part of the NLMIS 40-Acre Parcel Data.		
<hr/>			
DATA CATEGORY NAME	:Surface water hydrology - identification of 40-acre parcels which adjoin or contain water, and description of the kind of water features a parcel touches; each class refers to a different kind of hydrologic feature		
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Forty-acre parcel :This "Water Orientation" variable is part of the NLMIS 40-Acre Parcel Data		

CODE :MN002-01

CODE :MN003-01

STATE :MN
 DATA BASE NAME :MN Ambient Air Quality Data System
 SUBJECT COVERAGE :Air quality/climate data
 GEOGRAPHIC COVERAGE :Several points in Twin Cities, northeast and central Minnesota

STATUS :Repository initiated in 1970
 AGENCY :MN Pollution Control Agency
 RESPONDENT :Bryan Fredrick, Research Analyst Specialist
 MN Pollution Control Agency

1935 West County Road B2
 Roseville, MN 55113-2785
 Telephone: 612-296-7264
 OTHER CONTACTS :J. Michael Valentine, Director
 Division of Air Quality
 Telephone: 612-296-7331

COMPUTER FACILITIES

COMPUTER(S) :PDP 8
 RESIDENCE :In-house

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - air quality
 GEOGRAPHIC COVERAGE :Several points in Twin Cities, northeast and central Minnesota

DATA CATEGORY NAME :Climate/weather - temperature, wind data
 GEOGRAPHIC COVERAGE :Several points in Twin Cities, northeast and central Minnesota

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DATE OF INFORMATION :6/14/83
 PAPER FILE NUMBER :MN7

STATE :MN
 DATA BASE NAME :MN Ambient Ground-Water Quality Monitoring Program
 SUBJECT COVERAGE :Groundwater quality data
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Repository initiated in 1978; the purpose of the program is to determine ambient or background water quality, and to discover and monitor long-term changes in groundwater quality which may occur in one or more of 12 principal state aquifers.

AGENCY :MN Pollution Control Agency
 RESPONDENT :Dale Trippier
 MN Pollution Control Agency
 Division of Solid and Hazardous Waste
 1935 West County Road B2
 Roseville, MN 55113-2785
 Telephone: 612-296-7318
 OTHER CONTACTS :John Holck, Supervisor
 Ground Water Unit
 Program Development Section
 Solid and Hazardous Waste Division

COMPUTER FACILITIES

COMPUTER(S) :PRIME 850
 RESIDENCE :MN State Planning Agency Land Management Information Center (LMIC)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology - water quality data from approximately 350 wells and springs; water temperature, pH, conductivity; 38 inorganic parameters
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Aquifer
 OUTPUT PRODUCTS :Statistical summaries, computer printouts
 DATA SOURCES :Primary
 UPDATE FREQUENCY :The network wells are being resampled at five-year intervals
 COMMENTS :Data supplied to EPA/STORET

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DOCUMENTATION : "Design and Operation of an Ambient Ground-Water Quality Monitoring Program for Minnesota" (in Proceedings, Sixth National Ground Water Quality Symposium, Atlanta, GA, September 22-24, 1982)

DATE OF INFORMATION :7/12/83
 PAPER FILE NUMBER :MN14

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MN002-01
 MN003-01

CODE :MII004-01

CODE :MII005-01

STATE :MN
 DATA BASE NAME :Solid Waste Facility Inventory and Monitoring System
 DATA BASE ACRONYM :SWFINS
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Repository initiated in 1979 (included data from 1971 to present)
 AGENCY RESPONDENT :MN Pollution Control Agency
 :Gretchen Sabel
 MN Pollution Control Agency
 Division of Solid and Hazardous Waste
 1935 West County Road B2
 Roseville, MN 55113-2785
 Telephone: 612-296-7753

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER
 RESIDENCE :University of Minnesota

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - site, well and water quality data from approximately 150 land disposal facilities
 GEOGRAPHIC COVERAGE :Statewide

STATE :MN
 DATA BASE NAME :MN Natural Heritage Program
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This program was undertaken as a cooperative effort between the State of Minnesota and The Nature Conservancy, a national nonprofit conservation organization.
 AGENCY RESPONDENT :MN Department of Natural Resources
 :Barbara Coffin, Coordinator
 MN Natural Heritage Program
 MN Department of Natural Resources
 Box 7, Non-Game Program
 St. Paul, MN 55155
 Telephone: 612-296-4284
 OTHER CONTACTS :Welby Smith, Botanist
 :Keith Wendt, Plant Ecologist
 :Lee Phammeueller, Zoologist
 :Almaz Tschay, Data Handler/Secretary
 :Shellie Careau, Procedures Specialist
 The Nature Conservancy
 1800 North Kent Street
 Arlington, VA 22209
 Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
 GEOGRAPHIC COVERAGE :Statewide

DATE OF INFORMATION :7/14/83
 PAPER FILE NUMBER :MII15

DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
 DATE OF INFORMATION :1/21/83
 PAPER FILE NUMBER :MII16

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MII005
10-4004

CODE :M0001-01

CODE :M0001-02

STATE :MO
 DATA BASE NAME :Land Cover
 SUBJECT COVERAGE :Wildlife habitat
 GEOGRAPHIC COVERAGE :Statewide (by mid '84)
 STATUS :This data base is being developed as a cooperative effort with the Crop and Livestock Reporting Service.
 AGENCY :MO Department of Conservation
 RESPONDENT :Elizabeth Cook, Resources Planner
 MO Department of Conservation
 PO Box 180
 Jefferson City, MO 65102
 Telephone: 314-751-4115

COMPUTER FACILITIES

COMPUTER(S) :DEC VAX
 RESIDENCE :University of Missouri Geographic Resources Center, Columbia, MO
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :ELAS
 PERIPHERAL DEVICES :Remote terminal, dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - habitat - land cover mapping
 GEOGRAPHIC COVERAGE :Statewide by mid '84
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 DATA STORAGE FORMAT :Digital
 DATA SOURCES :Primary and secondary
 COMMENTS :Data are from Landsat

OF POOR QUALITY

STATE :MO
 DATA BASE NAME :Caves
 SUBJECT COVERAGE :Invertebrate biology
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :MO Department of Conservation
 RESPONDENT :Elizabeth Cook, Resources Planner
 MO Department of Conservation
 PO Box 180
 Jefferson City, MO 65102
 Telephone: 314-751-4115

COMPUTER FACILITIES

COMPUTER(S) :AMDAHL
 RESIDENCE :University of Missouri Network, Columbia, MO
 OPERATION :Interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :SASGRAPH
 PERIPHERAL DEVICES :Remote terminal, dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - invertebrate specimen collection records including listing of species, habitat description
 GEOGRAPHIC COVERAGE :Statewide (all caves on public land)
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :160 acres (quarter section)
 DATA STORAGE FORMAT :Tape/CD
 DATA SOURCES :Primary
 UPDATE FREQUENCY :As needed
 CONFIDENTIALITY :Location of rare/endangered spp., any unique data are subject to restricted access
 COMMENTS :Link is available to plot data geographically

DATE OF INFORMATION :1/20/84
 PAPER FILE NUMBER :M01-1

USER FEES POLICY :Products and services are usually available at no charge
 DATE OF INFORMATION :1/20/83
 PAPER FILE NUMBER :M01-2

M0001-01
M0001-02

CODE :M0001-03

STATE :NO
 DATA BASE NAME :Rare and Endangered Species
 SUBJECT COVERAGE :Vegetation, wildlife
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :MO Department of Conservation
 RESPONDENT :Elizabeth Cook, Resources Planner
 MO Department of Conservation
 PO Box 180
 Jefferson City, MO 65102
 Telephone: 314-751-4115

COMPUTER FACILITIES

COMPUTER(S) :AMDAHL
 RESIDENCE :University of Missouri Network, Columbia, MO
 OPERATION :Interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :SASGRAPH
 PERIPHERAL DEVICES :Remote terminal, dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -
 GEOGRAPHIC COVERAGE :rare and endangered: range and distribution
 GEOGRAPHIC REFERENCE :Statewide
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :County
 DATA SOURCES :Tabular
 CONFIDENTIALITY :Secondary (literature review)
 COMMENTS :Requests for data must be reviewed for ecological use
 :Link is available to plot data geographically

DATA CATEGORY NAME :Wildlife -
 GEOGRAPHIC COVERAGE :rare and endangered: range and distribution
 GEOGRAPHIC REFERENCE :Statewide
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :County
 DATA SOURCES :Tabular
 CONFIDENTIALITY :Secondary (literature review)
 COMMENTS :Requests for data must be reviewed for ecological use
 :Link is available to plot data geographically

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USER FEES POLICY :Products and services are usually available at no cost
 DATE OF INFORMATION :1/20/84
 PAPER FILE NUMBER :M01-3

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STATE :NO
 DATA BASE NAME :Natural Areas
 SUBJECT COVERAGE :Natural areas in Missouri
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :MO Department of Conservation
 RESPONDENT :Elizabeth Cook, Resources Planner
 MO Department of Conservation
 PO Box 180
 Jefferson City, MO 65105
 Telephone: 314-751-4115

COMPUTER FACILITIES

COMPUTER(S) :AMDAHL
 RESIDENCE :University of Missouri Network, Columbia, MO
 OPERATION :Interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :SASGRAPH
 PERIPHERAL DEVICES :Remote terminal, dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural areas -
 GEOGRAPHIC COVERAGE :roster of name, ownership type, county, acreage,
 status
 GEOGRAPHIC REFERENCE :Statewide
 MINIMUM RESOLUTION :Public Land Survey
 DATA STORAGE FORMAT :Site specific, 160 acres (quarter section)
 OUTPUT PRODUCTS :Tabular
 DATA SOURCES :Report
 COMMENTS :Primary
 :Link is available to plot data geographically

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USER FEES POLICY :Products and services are usually available at no charge
 DATE OF INFORMATION :1/20/84
 PAPER FILE NUMBER :M01-4

M0001-03
M0001-04

CODE :M0002-01

CODE :M0003-01

STATE :MO
 DATA BASE NAME :PROCEDURES: A Wildlife Information System for Missouri
 DATA BASE ACRONYM :PROCEDURES
 SUBJECT COVERAGE :Wildlife
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Data base initiated 1982; currently nearing completion
 Being created under contract for the MO Department of Conservation
 AGENCY :Geographic Resources Center
 RESPONDENT :Gregory T. Koolin, Assistant Professor
 Geographic Resources Center
 University of Missouri - Columbia
 248 Electrical Engineering Building
 Columbia, MO 65211
 Telephone: 314-882-3617

COMPUTER FACILITIES

COMPUTER(S) :IBM 3032
 RESIDENCE :University of Missouri - Columbia

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :SPIRES

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 approximately 950 species of Missouri including
 information on distribution, abundance, legal status,
 life history, etc.
 GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :Being developed
 USER FEES POLICY :User fee schedule will be developed
 DATE OF INFORMATION :1/10/83
 PAPER FILE NUMBER :M05

STATE :MO
 DATA BASE NAME :Climatological Data
 GEOGRAPHIC COVERAGE :Missouri and surrounding states
 AGENCY :University of Missouri
 RESPONDENT :Wayne L. Decker, Professor
 University of Missouri - Columbia
 701 Nitt Street
 Columbia, MO 65211
 Telephone: 314-882-6591

COMPUTER FACILITIES

COMPUTER(S) :IBM 3032
 RESIDENCE :University of Missouri - Columbia

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -
 temperature, precipitation, radiation, humidity,
 wind
 GEOGRAPHIC COVERAGE :Missouri and surrounding states
 COMMENTS :Data acquired since 1947

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DATE OF INFORMATION :2/2/83
 PAPER FILE NUMBER :M05

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M0002-01
 M0003-01

CODE :MO004-01

STATE :MO
DATA BASE NAME :MO Natural Heritage Inventory
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Missouri and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :MO Department of Natural Resources
RESPONDENT :Becky Haefner, Coordinator/Plant Ecologist
MO Natural Heritage Inventory
MO Department of natural Resources
1915 Southridge Road
Box 176
Jefferson City, MO 65102
Telephone: 314-751-2479
OTHER CONTACTS :Bill Resetarits, Zoologist, Data Manager
:Terri Roberts, Secretary
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide
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DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :MO10

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CODE :MS001-01

STATE :MS
 DATA BASE NAME :Multivariable Data Base - Lowndes County
 DATA BASE ACRONYM :Lowndes
 SUBJECT COVERAGE :Topography, soils data, land cover, land use, groundwater, surface water, base data and natural disasters
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
 AGENCY :MS Remote Sensing Center
 RESPONDENT :W. Frank Miller, Director
 MS Remote Sensing Center
 P.O. Drawer FR
 Mississippi State, MS 39762
 Telephone: 601-325-2946
 OTHER CONTACTS :Karen Minchen, Research Associate
 Telephone: 601-325-3760

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
 DATA GENERAL ECLIPSE S/130
 RESIDENCE :Mississippi State University computer center (UNIVAC 1100/80); in-house (DATA GENERAL ECLIPSE S/130)
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RDOS
 SYSTEM CAPACITY :Main memory: 256K
 Disc storage: 96MB
 Simultaneous users supported: 2
 LANGUAGE(S) :FORTRAN
 Assembler
 SPECIALIZED SOFTWARE :Database manipulation/display package
 Suitability modelling package
 PERIPHERAL DEVICES :Color image display, 2 line following digitizers, electrostatic plotter, color graphics camera

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Topography - elevation, slope percent class, slope length
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced
 MINIMUM RESOLUTION :2-5 acres
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (computer printouts with characters representing cells), tables, computer tape, modelling capability, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Soils data - associations, soil character, soil wetness
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced
 MINIMUM RESOLUTION :2-5 acres
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modelling capability, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Land cover - forest land, water, cropland, pasture
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced
 MINIMUM RESOLUTION :2-5 acres
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modelling capability, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Every 5 years
 CLASSIFICATION :Classification scheme developed in-house

DATA CATEGORY NAME :Land use - transportation, existing cultural land use, utility rights-of-way, incorporated towns, utilities, proximity features
 GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced
 MINIMUM RESOLUTION :2-5 acres
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modelling capability, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Every 5 years

DATA CATEGORY NAME :Groundwater - aquifer recharge areas

DATA SOURCES
LEVEL OF RELIABILITY
UPDATE FREQUENCY

GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
GEOPGRAPHIC REFERENCE :Ad hoc grid, unreferenced
MINIMUM RESOLUTION :2-5 acres
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Every 5 years

LEVEL OF RELIABILITY :High to moderate
UPDATE FREQUENCY :Unknown

DOCUMENTATION :Descriptions of data structure and data types available
USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :7/25/83
PAPER FILE NUMBER :NS2-1

DATA CATEGORY NAME :Surface water -
 location, flood limits
GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
GEOPGRAPHIC REFERENCE :Ad hoc grid, unreferenced
MINIMUM RESOLUTION :2-5 acres
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High to moderate
UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Base data -
 section lines, sixteenth section boundaries
GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
GEOPGRAPHIC REFERENCE :Ad hoc grid, unreferenced
MINIMUM RESOLUTION :2-5 acres
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Unknown

DATA CATEGORY NAME :Natural disasters -
 areas affected by spring 1979 floods, fires by type, structural fire damage
GEOGRAPHIC COVERAGE :Lowndes County, Mississippi
GEOPGRAPHIC REFERENCE :Ad hoc grid, unreferenced
MINIMUM RESOLUTION :2-5 acres
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
DATA SOURCES :Primary

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MS001-01
(cont.)

CODE :MS001-02

STATE :MS
DATA BASE NAME :Soils Reference
SUBJECT COVERAGE :Cross reference of soil name to county of occurrence
GEOGRAPHIC COVERAGE :Statewide
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 601-325-2946
OTHER CONTACTS :Karen Minchew, Research Associate
Telephone: 601-325-3760

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
DG ECLIPSE S/130
RESIDENCE :Mississippi State University computer center (UNIVAC
1100/80); in-house (DG ECLIPSE S/130)
OPERATION :Interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RDOS
SYSTEM CAPACITY :Main memory: 256K
Disc storage: 96MB
Simultaneous users supported: 2
LANGUAGE(S) :FORTRAN
Assembler
SPECIALIZED SOFTWARE :Database manipulation/display package
Suitability modelling package
PERIPHERAL DEVICES :Color image display, 2 line following digitizers,
electrostatic plotter, color graphics camera

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Soils data -
cross reference (soil name to county of occurrence),
soil series, soil association
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :County
MINIMUM RESOLUTION :County
DATA STORAGE FORMAT :Textual
OUTPUT PRODUCTS :Computer tape, printouts
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :As counties are surveyed by the USDA Soil Conservation
Service
COMMENTS :Soil series names have been cross referenced for
counties having completed soil surveys (approximately

60% of the state); soil association names are in-
cluded in the cross reference for all other counties,
based on information derived from a statewide river
basin survey in which soil associations were mapped.

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USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :7/25/83
PAPER FILE NUMBER :NS2-3

ORIGINAL PAGE IS
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CODE :MS001-03

STATE :MS
 DATA BASE NAME :General Climatological/Hydrologic Studies
 SUBJECT COVERAGE :Climate/weather, soils data
 GEOGRAPHIC COVERAGE :Statewide (85 stations)
 AGENCY :MS Remote Sensing Center
 RESPONDENT :W. Frank Miller, Director
 MS Remote Sensing Center
 P.O. Drawer FR
 Mississippi State, MS 39762
 Telephone: 601-325-2946
 OTHER CONTACTS :Karen Minchow, Research Associate
 Telephone: 601-325-3760

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
 DATA GENERAL ECLIPSE S/130
 RESIDENCE :Mississippi State University computer center (UNIVAC
 1100/80); in-house (DATA GENERAL ECLIPSE S/130)
 OPERATION :Interactive
 GIS-CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RDOS
 SYSTEM CAPACITY :Main memory: 256K
 Disc storage: 9GB
 Simultaneous users supported: 2
 LANGUAGE(S) :FORTRAN
 Assembler
 SPECIALIZED SOFTWARE :Database manipulation/display package
 Suitability modelling package
 PERIPHERAL DEVICES :Color image display, 2 line following digitizers,
 electrostatic plotter, color graphics camera

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -
 potential evapotranspiration, actual evapotranspiration,
 temperature, precipitation
 GEOGRAPHIC COVERAGE :Statewide (85 stations)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific (station)
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Monthly
 COMMENTS :Data available from 1950 on

DATA CATEGORY NAME :Soils data -
 soil moisture storage, soil moisture deficit, moisture
 surplus
 GEOGRAPHIC COVERAGE :Statewide (85 stations)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific (station)
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, statistical summaries
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Monthly
 COMMENTS :Data available from 1950 on

USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :7/25/83
 PAPER FILE NUMBER :MS2-4

ORIGINAL PAGE 8
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MS001-03

CODE :MS001-04

CODE :MS001-05

STATE :MS
DATA BASE NAME :CHOCTAW GMA
SUBJECT COVERAGE :Wildlife
GEOGRAPHIC COVERAGE :Choctaw Wildlife Management Area
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
transportation, hydrology, burn zones (1978-1981)
GEOGRAPHIC COVERAGE :Choctaw Wildlife Management Area

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DATE OF INFORMATION :2/14/83
PAPER FILE NUMBER :MS2

STATE :MS
DATA BASE NAME :LEAF RIVER GMA
SUBJECT COVERAGE :Wildlife
GEOGRAPHIC COVERAGE :Leaf River Wildlife Management Area
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
transportation, land ownership, wildlife management
area boundary, burn zones (1975-1980), soils, surface
water
GEOGRAPHIC COVERAGE :Leaf River Wildlife Management Area

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DATE OF INFORMATION :2/14/83
PAPER FILE NUMBER :MS2

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MS001-04
MS001-05

CODE :NS001-06

CODE :HS001-07

STATE :MS
DATA BASE NAME :Talaholla Game Management Area
DATA BASE ACRONYM :CREATURE
SUBJECT COVERAGE :Wildlife
GEOGRAPHIC COVERAGE :Talaholla Wildlife Management Area
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
DG ECLIPSE S/130
RESIDENCE :In-house (DG ECLIPSE S/130); Mississippi State University (UNIVAC 1100/80)

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
wildlife management area boundary, transportation,
surface water, township/range, soils, land cover,
proximity to roads, Landsat MSS (3,4) classification
for 5 May 78, proximity to streams, elevation within
management area, land ownership, controlled burns
(1976-1980)
GEOGRAPHIC COVERAGE :Talaholla Wildlife Management Area, MS

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DATE OF INFORMATION :2/14/83
PAPER FILE NUMBER :MS2-6

STATE :MS
DATA BASE NAME :Pearl River
SUBJECT COVERAGE :Streams
GEOGRAPHIC COVERAGE :Jackson, MS
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Streams -
CCT data, hydrology, transportation, utilities
GEOGRAPHIC COVERAGE :Jackson, MS

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DATE OF INFORMATION :2/14/83
PAPER FILE NUMBER :MS2

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MS001-06
MS001-07

CODE :MS001-08

CODE :MS001-09

STATE :MS
DATA BASE NAME :BIGBEE
SUBJECT COVERAGE :Site analysis
GEOGRAPHIC COVERAGE :Bigbee Valley, Mississippi
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
DG ECLIPSE S/130
RESIDENCE :In-house (Data General)
Mississippi State University (UNIVAC)

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Site analysis -
transportation, hydrology, topography, land cover,
soils, proximity features
GEOGRAPHIC COVERAGE :Bigbee Valley Mississippi (parts of Pickens, Oklal-
bella, and Lowndes Counties)

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DATE OF INFORMATION :2/14/83
PAPER FILE NUMBER :NS2

STATE :MS
DATA BASE NAME :NOXUBEE
SUBJECT COVERAGE :Wildlife
GEOGRAPHIC COVERAGE :Noxubee National Wildlife Refuge and MSU School Forest
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 602-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
administration/ownership zones, transportation and
utilities, hydrology, surface geology, watersheds,
land cover types, topography, soil associations,
prescribed burn areas (National Noxubee Wildlife
Refuge 1978-1982), Red-Cockaded Woodpecker Habitat
(NNWR), coyote telemetry data and coyote home range
(NNWR)
GEOGRAPHIC COVERAGE :Noxubee National Wildlife Refuge and MSU School
Forest (parts of Oktibbeha, Winston, Lowndes, and
Noxubee Counties)

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DATE OF INFORMATION :2/14/83
PAPER FILE NUMBER :NS2

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MS001-08
MS001-09

CODE :MS001-10

CODE :MS001-11

STATE :MS
 DATA BASE NAME :LCSOILW and LCSOILW
 SUBJECT COVERAGE :Surface water hydrology
 GEOGRAPHIC COVERAGE :Lowndes County, MS
 AGENCY :MS Remote Sensing Center
 RESPONDENT :W. Frank Miller, Director
 MS Remote Sensing Center
 P.O. Drawer FR
 Mississippi State, MS 39762
 Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
 RESIDENCE :Mississippi State University

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
 Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water hydrology -
 soils, hydrology, transportation, utilities
 objective: to supply information to model existing
 flood events
 GEOGRAPHIC COVERAGE :Lowndes County, MS

STATE :MS
 DATA BASE NAME :CORRIDOR
 SUBJECT COVERAGE :Site analysis surrounding proposed propane route
 GEOGRAPHIC COVERAGE :Areas along proposed route in Forrest and Jones Counties
 AGENCY :MS Remote Sensing Center
 RESPONDENT :W. Frank Miller, Director
 MS Remote Sensing Center
 P.O. Drawer FR
 Mississippi State, MS 39762
 Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
 RESIDENCE :Mississippi State University

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Site analysis -
 transportation network, topography, land cover,
 proximity features
 GEOGRAPHIC COVERAGE :Surrounding areas along proposed propane pipeline
 route in Forrest and Jones Counties, MS
 UPDATE FREQUENCY :Last update: 1982

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DATE OF INFORMATION :2/14/83
 PAPER FILE NUMBER :MS2

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DATE OF INFORMATION :2/14/83
 PAPER FILE NUMBER :MS2

MS001-10
 MS001-11

CODE :MS001-12

STATE :MS
DATA BASE NAME :BRIDGE
SUBJECT COVERAGE :Site analysis for proposed highway relocation
GEOGRAPHIC COVERAGE :Along proposed route near Tremont, MS
AGENCY :MS Remote Sensing Center
RESPONDENT :W. Frank Miller, Director
MS Remote Sensing Center
P.O. Drawer FR
Mississippi State, MS 39762
Telephone: 601-325-2946

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
RESIDENCE :Mississippi State University

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Site analysis -
surface water, cultural features, transportation,
land cover, elevation, soils, forest stand composi-
tion, proximity features
GEOGRAPHIC COVERAGE :Proposed relocation route for U.S. Highway 78 near
Tremont, MS
UPDATE FREQUENCY :Project done in 1979

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DATE OF INFORMATION :2/14/83
PAPER FILE NUMBER :NS2

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CODE :MS002-01

STATE :MS
DATA BASE NAME :MS Automated Resource Information System
DATA BASE ACRONYM :MARIS
SUBJECT COVERAGE :Natural resources data (comprehensive)
GEOGRAPHIC COVERAGE :Statewide
STATUS :Sixteen Mississippi state agencies coordinate technical aspects of MARIS system development and set MARIS policy. These are:
Central Data Processing Agency
Department of Agriculture and Commerce
Department of Archives and History
Department of Economic Development
Department of Energy and Transportation
Department of Natural Resources
Department of Wildlife Conservation
Governor's Office of Planning & Policy
Mississippi State Board of Health
Mississippi Emergency Management Agency
Mississippi Forestry Commission
Mississippi Highway Department
Mississippi Oil and Gas Board
Mississippi Remote Sensing Center
Mississippi Research and Development Center
Public Service Commission

This consortium has defined two functional areas for MARIS: a data sharing, or catalog function, and an analytic function. Under the data sharing function, MARIS staff compiled descriptions of all natural resources data in their possession. These data descriptions have been placed in a catalog that is currently being converted to an automated format (see attached summary of file names, by agency).

The analytic function of MARIS is intended to assist persons involved with resource planning activities in conducting an analysis and evaluation of their problems and management alternatives. One facet of the current MARIS establishment is the state data base, an automated geographic information system in which data have been entered using 62.5-acre cells (refer to Code: NS002-02 for details). In addition to the statewide data base, MARIS has also developed data bases for local areas of the state.

AGENCY RESPONDENT :MS Research & Development Center
:Paul Edward Downing, Manager
Geographic Information Systems Division
MS Research & Development Center
3825 Ridgewood Road
P.O. Drawer 2470
Jackson, MS 39205
Telephone: 601-982-6606

COMPUTER FACILITIES

COMPUTER(S) :ERDAS
RESIDENCE :In-house
OPERATION :Interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES

:High resolution color graphics display with interactive cursor capabilities, two green screen CRT terminals, dot matrix printer, digitizing table, color camera

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DOCUMENTATION :Mississippi Automated Resource Information System Data Catalog (September 1982); MARIS Newsletter
DATE OF INFORMATION :12/29/82
PAPER FILE NUMBER :MS1-a

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MS002-01

MARIS DATA FILE NAMES BY AGENCY

<u>Automated System Number</u>	<u>Automated System Number</u>	
		<u>Mississippi Department of Archives and History (MDAH)</u>
	07-01-00-000-0010	Architectural Resource Maps
	07-01-00-000-0020	Architectural Resources Survey Data
03-01-01-000-0050	07-01-00-000-0030	National Register of Historic Places
03-01-02-000-0010	07-02-00-000-0010	Archaeological Sites: Survey Maps
03-01-02-000-0020	07-02-00-000-0020	Archaeological Sites: Survey Reports
03-01-02-000-0030	07-02-00-000-0030	Archaeological Sites: National Register of Historic Places
03-01-02-000-0040	07-02-00-000-0040	Archaeological Sites: Site Cards
03-01-02-000-0050	07-02-00-000-0050	Archaeological Sites: Excavation Reports
03-01-02-000-0060		
03-01-02-000-0070		<u>Mississippi Department of Energy and Transportation (MDET)</u>
03-01-02-000-0080	01-00-00-000-0060	U.S. Energy Information Administration (EIA) Data Base
03-02-00-000-0110	02-01-00-000-0170	U.S. Weather Zone Map
03-02-00-000-0120	02-01-00-000-0180	Heating Degree Days; Heating Season
03-04-00-000-0010	06-05-00-000-0010	DOE Energy Information Index
03-04-00-000-0090		
03-04-00-000-0100		<u>Mississippi Department of Natural Resources (MDNR)</u>
	01-00-00-000-0110	National Weather Service Data Base
03-04-00-000-0020	01-00-00-000-0120	Water Resources Scientific Information Center
03-04-00-000-0030	01-00-00-000-0180	Ambient Air Quality Standards
03-04-00-000-0040	01-00-00-000-0190	Diversion of Surface Waters
03-04-00-000-0050	01-00-00-000-0200	Well Logs
03-04-00-000-0060	01-00-00-000-0210	Dam Inventory
03-04-00-000-0070	02-01-00-000-0020	Hourly Precipitation (Bureau of Pollution Control)
03-04-00-000-0080	02-01-00-000-0030	Daily Precipitation (Land and Water)
03-04-00-000-0110	02-01-00-000-0040	Daily Temperature (Land and Water)
03-04-00-000-0120	02-01-00-000-0050	Daily Evaporation Data (Land and Water)
03-04-00-000-0130	02-01-00-000-0070	Wind Movement Data (Land and Water)
03-04-00-000-0140	02-01-00-000-0080	Hourly Wind Movement (Bureau of Pollution Control)
	02-01-00-000-0110	Solar Radiation (Land and Water)
	02-02-00-000-0020	Hourly Air Quality Monitoring Data (Bureau of Pollution Control)
	02-03-00-000-0020	Intermittent Emissions Inventories (Bureau of Pollution Control)

Source: Mississippi Automated Resource Information System Data Catalog. Mississippi Research and Development Center. September, 1982.

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MS002-01
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Automated
System Number

Mississippi Department of Natural Resources (Continued)

02-03-00-000-0030 Emissions Permits (Bureau of Pollution Control)
02-03-00-000-0040 Emissions Surveillance Data (Bureau of Pollution Control)
03-04-00-000-0190 Irrigation Requirements (Land and Water)
04-01-00-000-0020 Streamflow Discharge (Land and Water)
04-01-00-000-0090 Flood-Fringe Area Maps (Bureau of Geology)
04-01-00-000-0150 Beach Sampling Program Data (Bureau of Pollution Control)
04-01-00-000-0200 Streamflow Quality (Land and Water)
04-01-00-000-0210 Intensive Stream Survey Data (Bureau of Pollution Control)
04-01-00-000-0220 Ambient Stream Monitoring Program Data (Bureau of Pollution Control)
04-01-00-000-0230 Sediment Data (Land and Water)
04-02-00-000-0010 Groundwater Mapping (Land and Water)
04-02-00-000-0020 Water Levels (Land and Water)
04-02-00-000-0070 Water Quality Data (Land and Water)
04-02-00-000-0080 Water Well Drillers' Logs (Land and Water)
04-02-00-000-0090 Water Well Electric Logs (Land and Water)
04-03-00-000-0010 Water Pollution Research Data (Bureau of Pollution Control)
04-03-00-000-0020 Diversions from Surface Sources (Land and Water)
04-03-00-000-0100 Pumping Tests (Land and Water)
04-03-00-000-0140 Impounding Structures (Land and Water)
04-03-00-000-0150 Reservoir Contents (Land and Water)
04-03-00-000-0180 Well Drillers' Licensing (Land and Water)
04-03-00-000-0190 Well Drillers' Logs (Land and Water)
04-03-00-000-0200 Water Resources Literature (Land and Water)
05-01-00-000-0010 Topographic Maps (Bureau of Geology)
05-01-00-000-0020 Published Geologic Maps (Bureau of Geology)
05-01-00-000-0050 Remote Sensing Imagery-Bureau of Geology (Bureau of Geology)
05-01-00-000-0100 Soil Characteristics (Land and Water)
05-01-00-000-0130 Soil Maps (Bureau of Geology)
05-01-00-000-0140 Published Geologic Data (Bureau of Geology)
05-01-00-000-0160 Paleontologic Data (Bureau of Geology)
05-02-00-000-0020 Scout Card File (Bureau of Geology)
05-02-00-000-0030 Geophysical Logs-Oil and Gas Tests

Automated
System Number

Mississippi Department of Natural Resources (Continued)

05-02-00-000-0040 Geophysical Logs-Water Wells and Test Holes (BOG)
.05-02-00-000-0050 Sample Logs-Oil and Gas Tests (BOG)
05-02-00-000-0060 Sample Logs-Water Wells and Test Holes (BOG)
05-02-00-000-0070 Subsurface Geologic Mapping (Land and Water)
05-02-00-000-0090 Core Samples-Oil and Gas Tests (BOG)
05-02-00-000-0100 Core Samples-Water Wells and Test Holes (BOG)
05-02-00-000-0110 Cutting Samples-Oil and Gas Tests (BOG)
05-02-00-000-0120 Cutting Samples-Water Wells and Test Holes (BOG)
05-02-00-000-0130 Geologic Charts and Cross Sections (BOG)
05-03-00-000-0010 Waste Disposal Site Investigation Reports (BOG)
05-03-00-000-0070 Analyses of Economic Minerals (BOG)
05-03-00-000-0090 Mineral Lease Division Files (BOG)
05-03-00-000-0100 Inventory of Mines and Surface-Mined Land (BOG)
05-03-00-000-0110 Mining Companies and Permitted/Exempt Mines (BOG)
05-03-00-000-0140 Oil Field Records (Land and Water)

Mississippi Department of Wildlife Conservation (MWC)

02-01-00-000-0060 Selected Wind Movement Data (BMR)
02-02-00-000-0010 Selected Air Quality Data (BMR)
03-01-01-000-0010 Bay and Estuarine Life Data (BMR)
03-01-01-000-0020 Fish Stocking Records (Fisheries)
03-01-01-000-0030 Fish Population Surveys (Fisheries)
03-01-01-000-0040 Fish Stocking-Coastal Areas (BMR)
03-01-01-000-0060 Species Inventory-Coastal Areas (BMR)
03-01-01-000-0070 Endangered Species Inventory and Survey-Aquatic (MNS)
03-01-01-000-0080 Rare Nongame Species Inventory and Survey-Aquatic (MNS)
03-01-01-000-0090 Nongame Species Collections-Aquatic (MNS)
03-01-01-000-0100 Game Species Collections-Aquatic (MNS)
03-01-01-000-0110 Fish Life Histories-Coastal Species (BMR)
03-01-01-000-0120 Saltwater Fishery Surveys (BMR)
03-01-01-000-0140 Coastal Fish Habitat Surveys (BMR)
03-01-01-000-0160 Fish Landings Data Collection-Saltwater Fisheries (BMR)

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Automated
System Number

Mississippi Department of Wildlife Conservation (Continued)

03-01-01-000-0170 Coastal Waters Resource Management Research Data (BMR)
 03-01-02-000-0120 Aerial Waterfowl Surveys (Game)
 03-01-02-000-0130 Shore and Wading Birds-Coastal Areas (BMR)
 03-01-02-000-0140 Coastal Waters Animal Research Data (BMR)
 03-01-02-000-0150 Endangered Species Inventory and Survey-Terrestrial (MNS)
 03-01-02-000-0160 Rare Nongame Species Inventory and Survey-Terrestrial (MNS)
 03-01-02-000-0170 Nongame Species Collections-Terrestrial (MNS)
 03-01-02-000-0180 Game Species Collections-Terrestrial (MNS)
 03-01-02-000-0190 Deer Weight, Antler, and Age Data (Game)
 03-02-00-000-0030 Vegetative Studies-Selected Areas, Three Coastal Counties (BMR)
 03-02-00-000-0040 Coastal Waters Plant Research (BMR)
 03-02-00-000-0050 Endangered Species Inventory and Survey-Plants (MNS)
 03-02-00-000-0060 Rare Species Inventory and Survey-Plants (MNS)
 03-02-00-000-0070 Plant Community Inventory and Survey (MNS)
 03-02-00-000-0100 Bay and Estuarine Plant Surveys (BMR)
 03-02-00-000-0140 Native Plant Collections (MNS)
 03-03-00-000-0010 Microorganic Bay and Estuary Life (BMR)
 03-03-00-000-0020 Bacteriology Studies-Coastal Areas (BMR)
 03-03-00-000-0030 Research on Microorganisms of Coastal Waters (BMR)
 03-04-00-000-0170 Location of Shooting Reserves
 03-04-00-000-0180 Wildlife Management Areas-Hunter Kill and Effort (Game)
 03-04-00-000-0200 Fishermen Surveys (Fisheries)
 03-04-00-000-0210 Seafood Licensing Documentation (BMR)
 03-04-00-000-0220 Oyster Leasing, Relaying, and Depuration Activities (BMR)
 03-04-00-000-0230 Seafood Processing Research Data (BMR)
 03-04-00-000-0240 Aquaculture Enhancement Data (BMR)
 03-04-00-000-0250 Game Harvest and Hunter Effort Data (Game)
 03-04-00-000-0260 Survey Hunter Mailing List (Game)
 03-04-00-000-0270 Furbearer Harvest and Trapper Effort Data (Game)
 03-04-00-000-0280 Survey Trapper Mailing List (Game)
 03-04-00-000-0290 Deer and Turkey Harvest Data (Game)
 03-04-00-000-0300 List of Deer Camps in Mississippi (Game)

Automated
System Number

Mississippi Department of Wildlife Conservation (Continued)

03-04-00-000-0310 Road Kill Survey (Game)
 03-04-00-000-0320 Hunting Fatalities and Accidents (Hunter Safety)
 03-04-00-000-0330 Boating Fatalities and Accidents (Hunter Safety)
 03-04-00-000-0340 Students Certified in Hunter and Boating Safety Education (Hunter Safety)
 03-04-00-000-0350 Instructors Certified in Hunter and Boating Safety Education (Hunter Safety)
 03-04-00-000-0360 Number of Cases Made by the Department of Wildlife Conservation and Area of Patrolling (Law Enforcement)
 03-04-00-000-0370 Wildlife Conservation Employees-Name and Address Listing (Accounting)
 03-04-00-000-0380 Hunting and Fishing License Dealers
 03-04-00-000-0390 Mississippi Sportsmen License Holders
 03-04-00-000-0400 Resident and Nonresident Hunting and Fishing License Holders
 03-04-00-000-0410 Commercial Fishermen Listing
 03-04-00-000-0420 Resident and Nonresident Fur Dealers
 03-04-00-000-0430 Commercial Quail Breeders
 03-04-00-000-0440 Dog Trainer Permit Holders
 03-04-00-000-0450 Summary of Hunting and Fishing License Sales
 03-04-00-000-0460 DWC Magazine Mailing List
 03-04-00-000-0470 DWC Media List
 03-04-00-000-0480 List of Scientific Collection Permit Holders
 03-04-00-000-0490 Wetland Permits (BMR)
 03-04-00-000-0500 Wetland Regulations (BMR)
 03-04-00-000-0510 Wetland Resource Management (BMR)
 03-04-00-000-0520 Bay and Estuary Resource Management (BMR)
 04-01-00-000-0010 Coastal Stream Discharge (BMR)
 04-01-00-000-0100 Coastal High Water Data (BMR)
 04-01-00-000-0110 Channel Characteristics-Coastal Areas (BMR)
 04-01-00-000-0120 Coastal Boundary Surveys (BMR)
 04-01-00-000-0130 Nautical Charts (BMR)
 04-01-00-000-0140 Selected Water Quality Data (Fisheries)

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Automated
System NumberMississippi Department of Wildlife Conservation (Continued)

04-01-00-000-0160 Bay and Estuarine Water Quality (BMR)
 04-01-00-000-0170 Water Quality and Biological Productivity Research Data (BMR)
 04-01-00-000-0240 Sediment Studies in the Mississippi Sound (BMR)
 04-01-00-000-0250 Tide Data (BMR)
 04-01-00-000-0270 Undisturbed Segments-Natural, Free-Flowing Streams (MNS)
 04-01-00-000-0280 Spawning, Feeding, and Nesting Water Areas (MNS)
 04-01-00-000-0290 Reefs and Marine Grass Beds (MNS)
 04-02-00-000-0040 Saturated Thickness Map (BMR)
 04-03-00-000-0080 Coastal Area Navigation Projects-Plans and Impacts (BMR)
 04-03-00-000-0090 Coastal Area Facilities and Structures-Plans and Impacts (BMR)
 04-03-00-000-0160 Environmental Disturbances Research Data (BMR)
 04-03-00-000-0220 Boat Owners (Boat Registration)
 04-03-00-000-0230 Boat Information (Boat Registration)
 04-03-00-000-0240 Registered Boats by County and Length (Boat Registration)
 05-01-00-000-0030 Geologic Mapping of Coastal Counties and Mississippi Sound (BMR)
 05-01-00-000-0070 Aerial Photographs with Geology-Coastal Areas
 05-01-00-000-0160 Fossil Inventory (MNS)
 05-01-00-000-0170 Cave Inventory (MNS)
 05-01-00-000-0180 Geologic Type Localities (MNS)
 05-03-00-000-0080 Coastal Mineral Leases (BMR)
 05-03-00-000-0120 Coastal Oil and Gas Production (BMR)
 05-03-00-000-0130 Coastal Mineral Resources-Exploration, Development, and Production (BMR)
 05-03-00-000-0150 Oil Spills (BMR)

Mississippi Emergency Management Agency (MEMA)

02-01-00-000-0010 Climatological Data
 02-01-00-000-0090 Storm Data
 06-06-00-000-0010 Disaster Assistance Data

Automated
System NumberMississippi Forestry Commission (MFC)

02-01-00-000-0100 Fire Danger Assessments: Daily Precipitation and Wind Speed
 03-02-00-000-0010 Tree Species/Forest Management and Production Studies
 03-02-00-000-0090 Forest Insect and Disease Control Studies

Mississippi Public Service Commission (MSPC)

04-03-00-000-0070 Water Utility Maps
 05-03-00-000-0160 Utility Maps-Telephone, Gas, and Electric

Mississippi Remote Sensing Center (MRSC)

01-00-00-000-0020 EROS Data Center-Aerial Mapping Photography
 01-00-00-000-0030 EROS Data Center-NASA Aircraft Photography
 01-00-00-000-0040 EROS Data Center-LANDSAT Standard Products
 01-00-00-000-0070 Agricultural Stabilization and Conservation Service (ASCS) Photography
 01-00-00-000-0080 U.S. Geological Survey (USGS) Digital Terrain Tapes
 01-00-00-000-0110 National Weather Service Data Base
 01-00-00-000-0150 Multivariable Data Base
 01-00-00-000-0160 Daily Water Balance
 01-00-00-000-0170 Monthly Water Balance
 01-00-00-000-0230 Soils Reference
 02-01-00-000-0100 Pearl River Flood Study: Precipitation and Temperature Data
 02-01-00-000-0130 Monthly Water Balance-Potential Evapotranspiration, Surplus and Deficit
 02-01-00-000-0140 General Climatologic/Hydrologic Studies: Precipitation, Temperature, and Water Balance Data
 02-01-00-000-0150 Monthly Water Balance
 02-01-00-000-0160 Daily Water Balance
 03-02-00-000-0020 Studies of the Effect of Climate on Forest Productivity
 04-03-00-000-0120 Aerial Imagery, Tennessee-Tombigbee Corridor-Various Formats
 04-03-00-000-0130 Aerial Imagery-Okatibbee Reservoir
 05-01-00-000-0190 Multivariable Data Base
 05-03-00-000-0200 Land Use Planning Studies: Tennessee-Tombigbee Waterway

Automated
System Number

Mississippi Research and Development Center (MRDC)

01-00-00-000-0016 Mississippi Automated Resource Information System
 01-00-00-000-0020 EROS Data Center-Aerial Mapping Photography
 01-00-00-000-0030 EROS Data Center-NASA Aircraft Photography
 01-00-00-000-0040 EROS Data Center-LANDSAT Standard Products
 01-00-00-000-0050 EROS Data Center-Manned Space Craft Photography
 01-00-00-000-0070 Agricultural Stabilization and Conservation Service (ASCS) Photography
 01-00-00-000-0090 National Cartographic Information Center (NCIC)
 01-00-00-000-0100 National Archives Historic Aerial Photography
 01-00-00-000-0140 Land Resource Inventory
 01-00-00-000-0260 County Data Bank
 02-03-00-000-0010 Selected Noise Hazard Area Data
 03-01-01-000-0150 Endangered Species Habitats-Aquatic
 03-01-02-000-0200 Endangered Species Habitats-Terrestrial
 03-02-00-000-0080 Endangered Species Habitats-Plants
 03-02-00-000-0150 Vegetative Land Cover/Use
 03-04-00-000-0530 Prime Agricultural Lands
 03-04-00-000-0540 Land Use of Prime and Unique Agricultural Lands
 04-01-00-600-0030 Areas Subject to Drainage Hazard
 04-01-00-000-0040 Estimated Average Annual Gross Erosion and Sediment Yield
 04-01-00-000-0050 Erosion Damages
 04-01-00-000-0060 Gully, Streambank, Roadbank, and Surface Mine Erosion
 04-01-00-000-0070 Flood Hazard Zones
 04-01-00-000-0080 Soil Associations Susceptible to Flooding
 04-01-00-000-0260 Stream Inventory
 04-01-00-000-0300 Hydrologic Units
 04-02-00-000-0030 Depth to Water Table-Selected Areas
 04-03-00-000-0030 Water and Sewer Districts
 04-03-00-000-0040 Sewer and Water Line Pipe Sizes-Ocean Springs
 04-03-00-000-0110 Private Well Locations-Pike County
 04-03-00-000-0170 Undeveloped Residential Acreage and Estimated Sheet Erosion
 04-03-00-000-0210 Land Use by Hydrologic Unit

Automated
System Number

Mississippi Research and Development Center (Continued)

05-01-00-000-0120 SCS Parish Soil Survey Reports
 05-02-00-000-0140 Geologic Structure of Selected Areas
 06-01-00-000-0010 County Data Bank
 06-02-00-000-0010 Industrial Site Files
 06-03-00-000-0010 Community Data Files
 06-04-00-000-0010 Quick Reference Data Summaries for State SMSA's

Mississippi State Board of Health (MSBH)

01-00-00-000-0130 Model State Information System
 02-02-00-000-0030 Air Quality-Radiation Levels
 02-03-00-000-0050 Emissions Surveillance-Grand Gulf Nuclear Power Plant
 03-01-01-000-0130 Gamma Isotopic Analysis of Fish Samples
 03-01-02-000-0090 Gamma Isotopic Analysis of Meat Samples from Game/Sport Animals
 03-01-02-000-0100 Gamma Isotopic Analysis of Meat from Different Beef Herds
 03-01-02-000-0110 Radiological Analysis of Milk Samples from Different Dairy Herds
 03-02-00-000-0130 Gamma Isotopic Analysis of Edible Plants
 04-01-00-000-0180 Radiation Levels in Surface Waters
 04-01-00-000-0190 Quality of Surface Waters Used for Public Water Supplies
 04-02-00-000-0050 Radiation Levels of Subsurface Water
 04-02-00-000-0060 Quality of Groundwater Used for Public Water Supplies
 05-01-00-000-0090 Radiological Characteristics of Surface Soil Samples
 05-02-00-000-0150 Radiological Characteristics of Stratigraphic Sections

Mississippi State Highway Department (MSHD)

01-00-00-000-0220 Road and Street Inventory
 03-04-00-000-0150 Seed Law Regulations
 03-04-00-000-0160 Seed Testing and Certification
 05-01-00-000-0040 Geologic Surface Mapping
 05-01-00-000-0060 Aerial Photographs with Geology
 05-01-00-000-0110 Soil Characteristics and Maps
 05-01-00-000-0150 Borrow Pit Material
 05-02-00-000-0010 Drillers' Logs-Selected Sites

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MS002-01
(cont.)

Automated
System Number

Mississippi State Highway Department (Continued)

05-02-00-000-0080 Core Data-Selected Sites
05-03-00-000-0020 Highway Research-Active Clays as Related to Highway Design
05-03-00-000-0030 Highway Research-Evaluation of Fife Bearing Capacity
05-03-00-000-0040 Highway Research-Materials Testing
05-03-00-000-0050 Official State Highway Map for Tourists
05-03-00-000-0060 Comprehensive State Road Inventory

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CODE :MS002-02

STATE :MS
 DATA BASE NAME :NS State Data Base
 SUBJECT COVERAGE :Land resources inventory, wildlife, vegetation, agriculture, environmental quality, surface water hydrology, erosion, flooding, streams, base data, land use/land cover, soils data, topography

GEOGRAPHIC COVERAGE :Statewide
 STATUS :The NS State Data Base is an automated geographic information system in which data have been entered using 62.5-acre cells. This data base is part of the NS Automated Resource Information System (see Code MS002-01).

AGENCY RESPONDENT :NS Research & Development Center
 :Paul Edward Downing, Manager
 :Geographic Information Systems Division
 :NS Research & Development Center
 :3825 Ridgewood Road
 :P.O. Drawer 2470
 :Jackson, MS 39205
 :Telephone: 601-982-6606

COMPUTER FACILITIES

COMPUTER(S) :PDP45
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :High resolution color graphics display with interactive cursor capabilities, two green screen CRT terminals, dot matrix printer, digitizing table, color camera

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land resources inventory - contains up to 51 categories of physical and cultural land uses

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :62-acre minimum mapping unit
 DATA STORAGE FORMAT :Cartographic and machine
 UPDATE FREQUENCY :One time (period of record: 1972-1975)
 COMMENTS :This file consists of 1400 photo-based township maps, at a scale of 1" = 2,000'. Data on the maps were transferred into the MARIS geographic information system.
 MARIS Automated System Number: 01-00-00-000-0140

DATA CATEGORY NAME :Environmental quality - noise hazard areas, primarily related to transportation

GEOGRAPHIC COVERAGE :Various counties statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :Township
 DATA STORAGE FORMAT :Maps, machine
 UPDATE FREQUENCY :One time (period of record: 1978)
 COMMENTS :MARIS Automated System Number: 02-03-00-000-0010

DATA CATEGORY NAME :Wildlife - endangered species habitat

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :62 acres
 DATA STORAGE FORMAT :Maps, machine
 UPDATE FREQUENCY :Automated System Number: 03-01-01-000-0150

DATA CATEGORY NAME :Wildlife - endangered species habitat - terrestrial

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :62 acres
 DATA STORAGE FORMAT :Maps, machine
 UPDATE FREQUENCY :Intermittent
 COMMENTS :MARIS Automated System Number: 03-01-02-000-0200

DATA CATEGORY NAME :Vegetation - endangered species habitat

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :62 acres
 DATA STORAGE FORMAT :Maps, machine
 UPDATE FREQUENCY :Intermittent
 COMMENTS :MARIS Automated System Number: 03-02-00-000-0080

DATA CATEGORY NAME :Land use/land cover - vegetative

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :62 acres
 DATA STORAGE FORMAT :Maps, machine
 UPDATE FREQUENCY :One time (period of record: 1973)
 CLASSIFICATION :USGS Level III
 COMMENTS :Maps are in the form of 1:24,000 township maps.
 MARIS Automated System Number: 03-02-00-000-0150

DATA CATEGORY NAME	:Agriculture - prime agricultural lands	UPDATE FREQUENCY	:Intermittent (period of record: 1973)
GEOGRAPHIC COVERAGE	:Statewide	COMMENTS	:MARIS Automated System Number: 04-01-00-000-0060
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator		
MINIMUM RESOLUTION	:62 acres		
DATA STORAGE FORMAT	:Maps, machine		
UPDATE FREQUENCY	:One time		
COMMENTS	:MARIS Automated System Number: 03-04-00-000-0530		
DATA CATEGORY NAME	:Environmental quality - areas subject to drainage hazards	DATA CATEGORY NAME	:Flooding - flood hazard zones
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Most counties statewide
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:62 acres	MINIMUM RESOLUTION	:62 acres
DATA STORAGE FORMAT	:Machine and unpublished text	DATA STORAGE FORMAT	:Maps, machine
UPDATE FREQUENCY	:One time	UPDATE FREQUENCY	:One time (period of record: 1982)
COMMENTS	:MARIS Automated System Number: 04-01-00-000-0030	COMMENTS	:Delimitations based on HUD Flood Hazard Boundary Maps; 100-year flood
DATA CATEGORY NAME	:Surface water hydrology - estimated average annual gross erosion and sediment yield	DATA CATEGORY NAME	:Soils data - soil associations susceptible to flooding
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:Hydrologic unit	MINIMUM RESOLUTION	:62 acres
DATA STORAGE FORMAT	:Machine and unpublished text	DATA STORAGE FORMAT	:Machine and unpublished text
UPDATE FREQUENCY	:One time (period of record: 1973)	DATA SOURCES	:Secondary
COMMENTS	:MARIS Automated System Number: 04-01-00-000-0040	UPDATE FREQUENCY	:One time
DATA CATEGORY NAME	:Erosion - damages	COMMENTS	:MARIS Automated System Number: 04-01-00-000-0080
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator		
MINIMUM RESOLUTION	:Hydrologic unit		
DATA STORAGE FORMAT	:Machine and unpublished text		
UPDATE FREQUENCY	:Intermittent (period of record: 1973)		
COMMENTS	:MARIS Automated System Number: 04-01-00-000-0050		
DATA CATEGORY NAME	:Erosion - gully, streambank, roadbank, and surface mine erosion	DATA CATEGORY NAME	:Streams - stream inventory
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:Hydrologic unit	MINIMUM RESOLUTION	:62 acres
DATA STORAGE FORMAT	:Machine and unpublished text	DATA STORAGE FORMAT	:Maps, machine
		UPDATE FREQUENCY	:One time
		COMMENTS	:MARIS Automated System Number: 04-01-00-000-0260
DATA CATEGORY NAME	:Erosion -	DATA CATEGORY NAME	:Base data - hydrologic units
GEOGRAPHIC COVERAGE	gully, streambank, roadbank, and surface mine erosion	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Statewide	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:Universal Transverse Mercator	MINIMUM RESOLUTION	:62 acres
DATA STORAGE FORMAT	:Hydrologic unit	DATA STORAGE FORMAT	:Maps, machine
	:Machine and unpublished text	UPDATE FREQUENCY	:One time
		COMMENTS	:MARIS Automated System Number: 04-01-00-000-0300
DATA CATEGORY NAME	:Base data -	DATA CATEGORY NAME	:Base data -
GEOGRAPHIC COVERAGE		GEOGRAPHIC COVERAGE	water and sewer districts
GEOGRAPHIC REFERENCE		GEOGRAPHIC REFERENCE	
MINIMUM RESOLUTION		MINIMUM RESOLUTION	
DATA STORAGE FORMAT		DATA STORAGE FORMAT	

CODE :MS003-01

GEOGRAPHIC COVERAGE	:Various counties statewide	STATE	:MS
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	DATA BASE NAME	:MS State Heritage Program
MINIMUM RESOLUTION	:62 acres	GEOGRAPHIC COVERAGE	:Statewide
DATA STORAGE FORMAT	:Machine, maps	STATUS	:This program was undertaken as a cooperative effort between the State of Mississippi and The Nature Conservancy, a national nonprofit conservation organization. The prototype data base was developed by the Mississippi Remote Sensing Center.
UPDATE FREQUENCY	:Intermittent (period of record: 1979)	AGENCY RESPONDENT	:MS State Heritage Program :Ken Gordon, Coordinator/Botanist/Wildlife Biologist MS State Heritage Program 111 N. Jefferson Street Jackson, MS 39202 Telephone: 601-334-7226
COMMENTS	:MARIS Automated System Number: 04-03-00-000-0030	OTHER CONTACTS	:Sheilia Goren, Procedures Specialist The Nature Conservancy 1800 North Kent Street Arlington, VA 22209 Telephone: 703-841-5300
DATA CATEGORY NAME	:Land use	COMPUTER FACILITIES	
GEOGRAPHIC COVERAGE	:Statewide	COMPUTER(S)	:IBM
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	DESCRIPTION OF DATA CATEGORIES	
MINIMUM RESOLUTION	:Hydrologic unit	DATA CATEGORY NAME	:Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
DATA STORAGE FORMAT	:Machine	GEOGRAPHIC COVERAGE	:Statewide; initial work focused on the Lignite Belt (northern and east central Mississippi)
UPDATE FREQUENCY	:Intermittent (period of record: 1973)	=====	
COMMENTS	:MARIS Automated System Number: 04-03-00-000-0210		
DATA CATEGORY NAME	:Soils data - soil series and associations, K-factors, shrink-swell potential, permeability, corrosiveness on concrete factor, erosion hazard		
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator		
MINIMUM RESOLUTION	:500m x 500m cells		
DATA STORAGE FORMAT	:Maps, machine, published text		
UPDATE FREQUENCY	:Intermittent		
COMMENTS	:MARIS Automated System Number: 05-01-00-000-0210		
DATA CATEGORY NAME	:Topography		
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator		
MINIMUM RESOLUTION	:500m x 500m cells		
DATA STORAGE FORMAT	:Maps, machine, published text		
UPDATE FREQUENCY	:Intermittent		
COMMENTS	:MARIS Automated System Number: 05-01-00-000-0210		

DOCUMENTATION :Mississippi Automated Resource Information System Data Catalog (September 1982); MARIS Newsletter
DATE OF INFORMATION :12/29/82
PAPER FILE NUMBER :NS1-b

DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :NS3

MS002-02
(cont.)
MS003-01

CODE :MT001-01

STATE :MT
DATA BASE NAME :MT Trust Lands Inventory
SUBJECT COVERAGE :State lands
GEOGRAPHIC COVERAGE :Statewide
AGENCY :MT Department of State Lands
RESPONDENT :Leslie J. Simkins, Systems Analyst
MT Department of State Lands
1625 Eleventh Avenue
Helena, MT 59620
Telephone: 406-449-2711

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033N
RESIDENCE :MT Department of Administration - Computer Services
Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :State lands -
section/township/range, trust ownership, subsurface
acreage, surface acreage, county
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
County
MINIMUM RESOLUTION :By township
COMMENTS :Data base initiated in 1982

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DATE OF INFORMATION :8/2/83
PAPER FILE NUMBER :MT5

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MT001-01

ORIGINAL PAGE IS
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CODE :MT002-01

STATE :MT
DATA BASE NAME :Census and Economic Information Center
DATA BASE ACRONYM :CEIC
SUBJECT COVERAGE :Demography
GEOGRAPHIC COVERAGE :Statewide
AGENCY :MT Department of Commerce
RESPONDENT :Patricia A.B. Roberts, Program Manager
MT Department of Commerce
1424 9th Avenue
Helena, MT 59620
Telephone: 406-449-2896
OTHER CONTACTS :John Balsam, Research Specialist
Leo LaSalle, Programmer Analyst
Telephone: 406-449-3707

DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, computer tape, statistical summaries
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Updated irregularly when data become available

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USER FEES POLICY :Generally charge only for custom computer tabulations,
40-plus pages photocopying and more than one copy of
any given publication
DATE OF INFORMATION :8/15/83
PAPER FILE NUMBER :MTG

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
CORONA PC-HD
RESIDENCE :MT Department of Administration - Computer Services
Division (IBM 3033); in-house (CORONA PC-HD)
OPERATION :Batch and interactive

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Dot matrix printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -
populations, economic aspects, Mass Model (economic-
demographic model)
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :County
SNSA
Various census geographic boundaries
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, graphics, computer tape, statistical summaries
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Varies from quarterly to every 10 years
CONFIDENTIALITY :2-digit BEA data and Labor's 202 file are subject to
restricted access

DATA CATEGORY NAME :Demography -
populations, economic aspects, Montana County Profiles
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :County
MINIMUM RESOLUTION :County

		CODE :MT003-01
<u>NAME</u>	:MT Water Quality Records System	
<u>SUBJECT COVERAGE</u>	:Groundwater, surface water, environmental quality	
<u>GEOPGRAPHIC COVERAGE</u>	:Statewide	
<u>AGENCY</u>	:MT Department of Health and Environmental Sciences	
<u>RESPONDENT</u>	:John Jarvis, Environmental Specialist Water Quality Bureau MT Department of Health and Environmental Sciences Cogswell Building, Lockey Street Helena, MT 59620 Telephone: 406-449-2406	
<u>COMPUTER FACILITIES</u>		
<u>COMPUTER(S)</u>	:IBM 3033N	
<u>RESIDENCE</u>	:MT Department of Administration - Computer Services Division	
<u>OPERATION</u>	:Batch	
<u>IN-HOUSE FACILITIES</u>		
<u>PERIPHERAL DEVICES</u>	:Hard copy terminal, alphanumeric CRT	
<u>DESCRIPTION OF DATA CATEGORIES</u>		
<u>DATA CATEGORY NAME</u>	:Groundwater - quality, well location, water use, depth	
<u>GEOPGRAPHIC COVERAGE</u>	:Statewide	
<u>GEOPGRAPHIC REFERENCE</u>	:Latitude/longitude Public Land Survey By county	
<u>MINIMUM RESOLUTION</u>	:Site specific	
<u>DATA STORAGE FORMAT</u>	:Tabular	
<u>OUTPUT PRODUCTS</u>	:Tables, computer tape, composite mapping	
<u>DATA SOURCES</u>	:Primary and secondary	
<u>LEVEL OF RELIABILITY</u>	:Moderate	
<u>UPDATE FREQUENCY</u>	:Monthly (irregularly)	
<u>DATA CATEGORY NAME</u>	:Surface water - quality, water body type, water use, biological data	
<u>GEOPGRAPHIC COVERAGE</u>	:Statewide	
<u>GEOPGRAPHIC REFERENCE</u>	:Latitude/longitude Public Land Survey By county By drainage basin	
<u>MINIMUM RESOLUTION</u>	:Site specific	
<u>DATA STORAGE FORMAT</u>	:Tabular	
<u>OUTPUT PRODUCTS</u>	:Tables, computer tape, composite mapping	
<u>DATA SOURCES</u>	:Primary and secondary	
<u>LEVEL OF RELIABILITY</u>	:High to moderate	
<u>UPDATE FREQUENCY</u>	:Monthly (irregularly)	
<u>COMMENTS</u>	:Most of the surface water data are routinely supplied to EPA/STORET	
<u>DATA CATEGORY NAME</u>	:Environmental quality - Montana Pollution Discharge Elimination System (NPDES) Number, point pollution	
<u>GEOPGRAPHIC COVERAGE</u>	:Statewide	
<u>GEOPGRAPHIC REFERENCE</u>	:Latitude/longitude Public Land Survey Site specific	
<u>MINIMUM RESOLUTION</u>	:Tabular	
<u>DATA STORAGE FORMAT</u>	:Tables, computer tape, composite mapping	
<u>OUTPUT PRODUCTS</u>	:Primary	
<u>DATA SOURCES</u>	:High	
<u>LEVEL OF RELIABILITY</u>	:Monthly (irregularly)	
<u>UPDATE FREQUENCY</u>	=====	
<u>DOCUMENTATION</u>	:Description of data encoding format/procedure available	
<u>USER FEES POLICY</u>	:Fees charged for products only	
<u>DATE OF INFORMATION</u>	:7/15/83	
<u>PAPER FILE NUMBER</u>	:MT00	

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CODE :MT004-01

CLASSIFICATION

:Greater than 50 acre-feet
Greater than 25 feet high

STATE :MT
 DATA BASE NAME :MONTAN DAM
 SUBJECT COVERAGE :Information on dams
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :MT Department of Natural Resources and Conservation
 RESPONDENT :Art Taylor, Dam Safety Engineer
 MT Department of Natural Resources and Conservation
 32 South Ewing
 Helena, MT 59620
 Telephone: 406-449-2864
 OTHER CONTACTS :George Caulfield, Chief, Data Processing Bureau
 Telephone: 406-449-3647

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USER FEES POLICY :Fees are charged on a cost recovery basis
 DATE OF INFORMATION :7/15/83
 PAPER FILE NUMBER :MT12

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033N
 RESIDENCE :Department of Administration, Computer Services
 Division

IN-HOUSE FACILITIES

OPERATING SYSTEM :OS/MVS
 SYSTEM CAPACITY :Main memory: 12 MB
 Disc storage: 100-300 MB
 Simultaneous users supported: 300+

LANGUAGE(S) :COBOL
 BASIC
 FORTRAN
 PL/I
 Assembler

SPECIALIZED SOFTWARE :ZPLOT
 IDNS
 BMD SPSS

PERIPHERAL DEVICES :Scanning digitizer, line printer (character
 graphics), drum pen plotter, hard copy terminals
 (12), alphanumeric CRT's (22)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Dams -
 size, hazard, location, type, owner, hydropower
 (for dams meeting Corps of Engineers size criteria)

GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Public Land Survey
 County

MINIMUM RESOLUTION :County, watershed or river basin

DATA STORAGE FORMAT :Fiat files

OUTPUT PRODUCTS :Printed reports

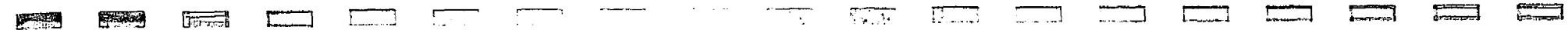
DATA SOURCES :Secondary

LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY :As needed

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MT004-01



CODE :MT005-01

STATE :MT
DATA BASE NAME :Reservoir Contents
SUBJECT COVERAGE :Surface water
GEOGRAPHIC COVERAGE :Statewide
AGENCY :MT Department of Natural Resources and Conservation
RESPONDENT :George Caulfield, Data Processing Manager
 MT Department of Natural Resources and Conservation
 32 South Ewing
 Helena, MT 59620
 Telephone: 406-449-3647

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033N
RESIDENCE :State of Montana Computer Center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
 supply and storage, reservoir contents
GEOGRAPHIC COVERAGE :Statewide

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DATE OF INFORMATION :2/11/83
PAPER FILE NUMBER :MT9-1

CODE :MT005-02

STATE :MT
DATA BASE NAME :Stream Flows
SUBJECT COVERAGE :Surface water
GEOGRAPHIC COVERAGE :Statewide
AGENCY :MT Department of Natural Resources and Conservation
RESPONDENT :George Caulfield, Data Processing Manager
 MT Department of Natural Resources and Conservation
 32 South Ewing
 Helena, MT 59620
 Telephone: 406-449-3647

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033N
RESIDENCE :State of Montana Computer Center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
 stream flows, historical flows
GEOGRAPHIC COVERAGE :Statewide

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DATE OF INFORMATION :2/11/83
PAPER FILE NUMBER :MT9-2

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MT005-01
MT005-02

STATE :NC
 DATA BASE NAME :Branch Library Management Information System
 DATA BASE ACRONYM :Branch Library MIS
 SUBJECT COVERAGE :Hazardous waste, solid waste, and groundwater quality in NC
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :Solid and Hazardous Waste Management
 RESPONDENT :Emil Breckling, Environmental Planner
 Solid and Hazardous Waste Management Branch
 Division of Health Services
 306 North Wilmington Street
 PO Box 2091
 Raleigh, NC 27602
 Telephone: 919-733-2178
 OTHER CONTACTS :O W Strickland, Branch Head

COMPUTER FACILITIES

COMPUTER(S) :WANG VS100
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :WANG VS100
 SYSTEM CAPACITY :Main memory: 1 Meg
 Disc storage: 2 (288) plus 2 (75) Meg
 Simultaneous users supported: 7
 LANGUAGE(S) :COBOL
 SPECIALIZED SOFTWARE :Image processing software
 PERIPHERAL DEVICES :Line printer (character graphics), alphanumeric CRT's (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental Quality - hazardous waste, solid waste, groundwater quality
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 County
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Index and sequential files
 OUTPUT PRODUCTS :Tables, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Daily
 CONFIDENTIALITY :Data has restricted access

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DOCUMENTATION :Documentation available on hardware, software, data assessment procedures, data encoding, general information; newsletter also available
 USER FEES POLICY :Fees are charged for products only
 DATE OF INFORMATION :8/23/83
 PAPER FILE NUMBER :NC10

STATE :NC
 DATA BASE NAME :NC Outdoor Recreation Facility Inventory
 SUBJECT COVERAGE :Information on recreation facilities in NC
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Data base is partially entered into NC's automated mapping system, completion dependent on funding
 AGENCY :NC Division of Parks and Recreation
 RESPONDENT :Bayard Alcorn, Outdoor Recreation Planner
 Division of Parks and Recreation
 Department of Natural Resources and Community Development
 512 North Salisbury Street
 PO Box 27687
 Raleigh, NC 27611
 Telephone: 919-733-7795

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 RESIDENCE :Central government computer center
 GIS CAPABILITY :Partially

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3238 Display

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation - public facilities, private facilities, acreages, operator classes (local, state, federal, etc...)
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :State Plane Coordinates (only for digitized sites)
 MINIMUM RESOLUTION :Site specific (for digitized sites), county
 DATA STORAGE FORMAT :Coordinate point, tabular
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, composite mapping, computer tape
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Every 5 years
 CONFIDENTIALITY :Names and addresses of private and commercial recreation sites have restricted access

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USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :9/1/83
 PAPER FILE NUMBER :NC13

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NC001-01
 NC002-01

CODE :NC003-01

STATE :NC
 DATA BASE NAME :NC Natural Heritage Inventory
 SUBJECT COVERAGE :Natural diversity elements, vegetation, and non-game wildlife

GEOGRAPHIC COVERAGE :Statewide
 STATUS :This data base is being administered through the NC Department of Natural and Economic Resources, which has contracted with The Nature Conservancy to develop the Program. This data base is also part of the NC Land Resources Information Service automated mapping system.

AGENCY RESPONDENT :NC Department of Natural and Economic Resources
 :Chuck Roe, Coordinator, Natural Heritage Program
 Division of Parks and Recreation
 Department of Natural and Economic Resources
 512 North Salisbury Street
 PO Box 27687
 Raleigh, NC 27611
 Telephone: 919-733-7795

OTHER CONTACTS :Shellie Corneau
 The Nature Conservancy
 1800 North Kent Street, Suite 800
 Arlington, VA 22209
 Telephone: 702-841-5307

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 RESIDENCE :Central government computer center
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :IBM 3278 terminal display

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - unique plants, unique animals, unique geologic formations, priority natural areas, plant communities
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Coordinate point, tabular
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables, computer tape and printouts
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous

CONFIDENTIALITY :Data on commercially exploited endangered species are confidential

DATA CATEGORY NAME :Vegetation - species, communities, rare and endangered
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Coordinate point, tabular
 OUTPUT PRODUCTS :Maps - Variable scale, composite mapping, tables, computer tape and printouts
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 CONFIDENTIALITY :Data on commercially exploited endangered species are confidential

DATA CATEGORY NAME :Wildlife - non-game; mammals, birds, reptiles, amphibians, and other; habitat; threatened and endangered spp
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Coordinate point, tabular
 OUTPUT PRODUCTS :Maps - variable scale, composite mapping, tables, computer tape and printouts
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 CONFIDENTIALITY :Data on commercially exploited endangered species are confidential

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DOCUMENTATION :General information is contained in their brochure, "The North Carolina Natural Heritage Program".
 USER FEES POLICY :Fees are charged on a cost recovery basis for copied material and computer-generated maps; most computer printouts out of date are available at no charge.
 DATE OF INFORMATION :9/1/83
 PAPER FILE NUMBER :NC15

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CODE :NC004-01

DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Weekly, monthly, quarterly

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STATE :NC
DATA BASE NAME :Environmental Radiation Data
SUBJECT COVERAGE :Radioactivity concentrations in the environment around nuclear power plants in NC

GEOGRAPHIC COVERAGE :Statewide
AGENCY :NC Radiation Protection
RESPONDENT :Felix Fong, Head, Environmental Surveillance Branch
Radiation Protection Section
Division of Facility Services
Department of Human Resources
1330 St. Mary's Street
Raleigh, NC 27605
Telephone: 919-733-4283

OTHER CONTACTS :Dayne H Brown, Chief, Radiation Protection Section
Jack M Penny, Environmental Engineer

COMPUTER FACILITIES

COMPUTER(S) :Nuclear Data - 6620 system
RESIDENCE :In-house
OPERATION :Interactive
CIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :MIDAS PLUS (from ND)
SYSTEM CAPACITY :Main memory: 224 K
Disc storage: 10 MB
Simultaneous users supported: 4
LANGUAGE(S) :FORTRAN
BASIC
SPECIALIZED SOFTWARE :Data aquisition software
PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digitizer, dot matrix printer with graphics, small flatbed pen plotter, hard copy terminals (2), alphanumeric CRT's (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - radioactivity concentrations in: air, water, soil, vegetation; sampling location; date of sample collection; date of analysis
GEOGRAPHIC COVERAGE :Statewide - samples taken around the five nuclear power sites in NC
GEOGRAPHIC REFERENCE :Not geographically referenced; the approximate distance and direction from the nuclear power plant is given
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, statistical summaries

CODE :NC005-01

STATE :NC
 DATA BASE NAME :Soil Testing Program Files
 SUBJECT COVERAGE :Data on farm soils in North Carolina
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :NC Department of Agriculture
 RESPONDENT :Albert L Nutfield, Chief, Soil Testing Section
 Agronomic Services Office
 NC Department of Agriculture
 2109 Blue Ridge Road
 Raleigh, NC 27611
 Telephone: 919-733-2655
 OTHER CONTACTS :Dr. D. W. Eddy, Director
 Telephone: 919-733-2655
 Charles W Colman Jr, ADP Supervisor
 Telephone: 919-733-6333

DOCUMENTATION :
 :Soil Testing Documentation Sheets:
 Operation documentation
 System documentation
 Data documentation
 Program documentation
 File documentation
 General information is also included within the documentation noted
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :8/29/83
 PAPER FILE NUMBER :NC20

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 RESIDENCE :Central government computer center
 GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Soils -
 farm soils; Mn concentration, Zn concentration,
 Cu concentration, nutrient concentration (K, Ca, Mg),
 cation exchange capacity, acidity (H2O pH & buffer),
 percent saturation, humic matter content, weight per
 volume; general classification (mineral, mineral-
 organic, organic); crop(s); location
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Region
 County
 MINIMUM RESOLUTION :County, crop grown
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, year-end summary reports
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuous, annual
 COMMENTS :Soil samples are analyzed for farmers and home owners
 upon request, results of the lab tests are input into
 the system along with general data. The computer system
 generates reports which include the suggested treatment
 determined by pre-defined formulas, and mailing labels

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CODE :NC006-01

CODE :NC006-02

STATE :NC
 DATA BASE NAME :Compliance Monitoring
 SUBJECT COVERAGE :Upstream, downstream, influent and effluent water quality parameters related to NPDES permits
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Currently contains data on municipal majors only, will be expanded to cover all discharges in the future
 AGENCY :NC Division of Environmental Management
 RESPONDENT :A. Dennis Goetze, Jr., Head, Information Services Branch
 Department of Natural Resources and Community Development
 512 North Salisbury Street
 PO Box 27687
 Raleigh, NC 27611
 Telephone: 919-733-7015
 OTHER CONTACTS :Sue Gardner, Supervisor, User Support Unit
 Craig Smith, computer operations

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 RESIDENCE :Central government computer center (IBM 3081)
 OPERATION :Interactive
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Drum pen plotter, hard copy terminals (3), alphanumeric CRT's (6)
 the Division also has a DEC PDP 11/60 in house which is not used for this data base

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - water quality, point pollution, upstream quality, downstream quality, influent quality, effluent quality, NPDES permits, municipal majors
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 OUTPUT PRODUCTS :Tables, statistical summaries, graphics (indirect through use of SASGRAPH), interactive video display, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Monthly

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USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :9/22/83
 PAPER FILE NUMBER :NC6

STATE :NC
 DATA BASE NAME :Phytoplankton
 SUBJECT COVERAGE :Biological parameters of phytoplankton, water quality
 GEOGRAPHIC COVERAGE :Approximately the eastern quarter of the state
 STATUS :Data is just being computerized
 AGENCY :NC Division of Environmental Management
 RESPONDENT :A. Dennis Goetze, Jr., Head, Information Services Branch
 Division of Environmental Management
 Department of Natural Resources and Community Development
 512 North Salisbury Street
 PO Box 27687
 Raleigh, NC 27611
 Telephone: 919-733-7015
 OTHER CONTACTS :Sue Gardner, Supervisor, User Support Unit
 Craig Smith, computer operations

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/60
 RESIDENCE :In-house
 OPERATION :Batch
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M 4.1
 SYSTEM CAPACITY :Main memory: 256 K bytes
 Disc storage: 28 MB
 Simultaneous users supported: 6
 LANGUAGE(S) :FORTRAN
 COBOL
 SPECIALIZED SOFTWARE :CALCOMP 907 plotting software
 PERIPHERAL DEVICES :Drum pen plotter, hard copy terminals (3), alphanumeric CRT's (6)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Phytoplankton - water quality, species, cell volume, numbers, biomass
 GEOGRAPHIC COVERAGE :NC Piedmont mountain lakes and coastal plains water bodies (approximately the eastern quarter of NC)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :US Geological Survey Codes
 DATA STORAGE FORMAT :Site specific
 OUTPUT PRODUCTS :Coordinate point
 DATA SOURCES :Graphics, statistical summaries
 LEVEL OF RELIABILITY :Primary
 UPDATE FREQUENCY :High
 COMMENTS :Continuous
 Data just being computerized

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USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :9/22/83
 PAPER FILE NUMBER :NC6

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NC006-01
 NC006-02

CODE: zNC006-03

STATE :NC
DATA BASE NAME :Biological
SUBJECT COVERAGE :Water quality, biological numbers, richness indices, biotic indices
GEOGRAPHIC COVERAGE :Statewide
AGENCY :NC Division of Environmental Management
RESPONDENT :A. Bonnie Goetze, Jr., Head, Information Services Branch
NC Division of Environmental Management
Department of Natural Resources and Community Development
512 North Salisbury Street
PO Box 27687
Raleigh, NC 27611
Telephone: 919-733-7015
OTHER CONTACTS :Sue Gardner, Supervisor, User Support Unit
Craig Smith, computer operations

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/60
RESIDENCE :In-house
OPERATION :Batch
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RSX-11M 4.1
SYSTEM CAPACITY :Main memory: 256 K bytes
Disc Storage: 28 MB
Simultaneous users supported: 6
LANGUAGE(S) :FORTRAN
COBOL
SPECIALIZED SOFTWARE :CALCOMP 907 plotting software
PERIPHERAL DEVICES :Drum pen plotter, hard copy terminals (3), alphanumeric CRT's (6)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
water quality, biological numbers, richness indices, biotic indices
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
USGS Survey Codes
MINIMUM RESOLUTION :Site specific, watershed or river basin
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Graphics, statistical summaries
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuous
COMMENTS :Data is supplied to EPA STORET

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USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :9/16/83
PAPER FILE NUMBER :NC6-3

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NC006-03

CODE :NC007-01

STATE :NC
 DATA BASE NAME :Land Resources Information Service
 DATA BASE ACRONYM :LRIS
 SUBJECT COVERAGE :Statewide data on climate, demography, boundaries, topography, land use/land cover, surface water, dams, recreation, environmental quality, threatened and endangered vegetation and wildlife, and soils. Additional data are available for portions of the state, eg. coastal areas, specific counties, watersheds.
 GEOGRAPHIC COVERAGE :Statewide for most data, additional data are available for certain smaller areas
 STATUS :The Land Resources Information Service is a geographic information system, operating as a nonprofit agency within the NC Department of Natural Resources and Community Development, Division of Land Resources. The service provides state, regional, and local governments with information for land resource management. LRIS maintains a computer data base of land related information which can be accessed and analyzed by any public agency on a cost recovery basis. In addition to providing available data, LRIS serves as a clearinghouse for locating other data sources, and can perform complete land resource projects for clients, from data collection to data analysis.
 AGENCY :NC Department of Natural Resources and Community Development
 RESPONDENT :Karen Siderelis, Director
 Land Resources Information Service
 Division of Land Resources
 NC Department of Natural Resources and Community Development
 512 North Salisbury Street
 PO Box 27687
 Raleigh, NC 27611
 Telephone: 919-733-2090
 OTHER CONTACTS :Thomas Scheitlin, GIS Manager
 Terry Ellis, Applications Analyst
 COMPUTER FACILITIES
 COMPUTER(S) :DEC LSI 11/03
 DG ECLIPSE S/230
 DG ECLIPSE NV8000/II (purchase request submitted)
 RESIDENCE :In-house; infrequently use Central Government Computer Center
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes
 IN-HOUSE FACILITIES
 OPERATING SYSTEM :D.G. AOS

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SYSTEM CAPACITY :Main memory: 3/4 MB
 Disc storage: 96 MB
 Simultaneous users supported: 6 to 8
 LANGUAGE(S) :FORTRAN
 SPECIALIZED SOFTWARE :COMPIS (Comark's)
 Programs developed in-house to enhance and expand COMPIS
 PERIPHERAL DEVICES :Monochrome graphic CRT's (3), mechanical digitizers (3), line printer, drum pen plotter, hard copy terminal, alphanumeric CRT's (2), TEKTRONIX hard copy unit
 DESCRIPTION OF DATA CATEGORIES
 DATA CATEGORY NAME :Climate/weather - rainfall, temperature
 GEOGRAPHIC COVERAGE :Statewide (1:500,000)
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 Universal Transverse Mercator
 latitude/longitude
 DATA STORAGE FORMAT :Polygon, arc/node
 OUTPUT PRODUCTS :Maps - variable scale, statistical summaries, composite mapping, interactive video display, computer tape
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :As needed
 COMMENTS :Data acquired from NCSU Crop Science Department
 DATA CATEGORY NAME :Demography - populations - 1970 and 1980 Census, social aspects, economic aspects, housing counts, municipality names, all data from Census Summary Tape File 3 - includes income, employment, etc.
 GEOGRAPHIC COVERAGE :Statewide (1 inch = 2 miles, usually)
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 Universal Transverse Mercator
 Latitude/longitude
 DATA STORAGE FORMAT :Original scale: county
 OUTPUT PRODUCTS :Polygon, arc/node
 DATA SOURCES :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :Moderate
 COMMENTS :As needed
 Data acquired from US Census Bureau
 DATA CATEGORY NAME :Boundaries - state, counties, census blocks, watersheds, river basins, regional planning districts

NC007-01

GEOGRAPHIC COVERAGE	:Statewide	DATA CATEGORY NAME	:Surface water hydrology - water body type, watershed boundaries, stream types
GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude	GEOGRAPHIC COVERAGE	:Statewide (1:250,000 scale) Pamlico/Albemarle Peninsula, Carteret County, Buncome County (1:24,000 scale)
MINIMUM RESOLUTION	:Original scale: watershed or river basin, county, township	GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude
DATA STORAGE FORMAT	:Polygon, arc/node	MINIMUM RESOLUTION	:Original scale: 1 degree X 2 degree quad (1:250,000) 7 and 1/2 minute quad (1:24,000)
OUTPUT PRODUCTS	:Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape	DATA STORAGE FORMAT	:Polygon, arc/node
DATA SOURCES	:Secondary	OUTPUT PRODUCTS	:Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape
LEVEL OF RELIABILITY	:Moderate	DATA SOURCES	:Secondary
UPDATE FREQUENCY	:As needed	LEVEL OF RELIABILITY	:Moderate (1:250,000) High (1:24,000)
COMMENTS	:Data is digitized by LRIS from a variety of maps, e.g. USGS, Census Bureau, NCDOT	UPDATE FREQUENCY	:As needed
CLASSIFICATION		CLASSIFICATION	:USGS hydrography codes for digital data
COMMENTS		COMMENTS	:Data from USGS topographic maps
DATA CATEGORY NAME	:Topography - elevation, slope, aspect, contours, topography	DATA CATEGORY NAME	:Dams - location
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude	GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude
DATA STORAGE FORMAT	:Grid	MINIMUM RESOLUTION	:Original data: site specific
OUTPUT PRODUCTS	:Maps - variable scale, statistical summaries, composite mapping, interactive video display	DATA STORAGE FORMAT	:Coordinate point
DATA SOURCES	:Secondary	OUTPUT PRODUCTS	:Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape
LEVEL OF RELIABILITY	:Low	DATA SOURCES	:Secondary
UPDATE FREQUENCY	:As needed	UPDATE FREQUENCY	:As needed
COMMENTS	:Data collected by DMA (1:250,000 scale)	COMMENTS	:Data collected by NC Land Quality Section
DATA CATEGORY NAME	:Land use/land cover - barren land, forest land, perennial ice and snow, rangeland, water, wetlands, estuaries, cropland, pasture, urban/built-up, livestock production, transportation, federal ownership	DATA CATEGORY NAME	:Recreation - recreational areas, parks, unique areas
GEOGRAPHIC COVERAGE	:Statewide (1:250,000)	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude	GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude
DATA STORAGE FORMAT	:Polygon, arc/node	MINIMUM RESOLUTION	:Original data: site specific, county
OUTPUT PRODUCTS	:Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape	DATA STORAGE FORMAT	:Coordinate point, polygon, arc/node
DATA SOURCES	:Secondary	OUTPUT PRODUCTS	:Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape
UPDATE FREQUENCY	:As needed	DATA SOURCES	:Secondary
CLASSIFICATION	:Anderson's	UPDATE FREQUENCY	:As needed
COMMENTS	:USGS LUQA data	COMMENTS	

CONFIDENTIALITY COMENTS	:Must receive approval for use from DCR or DP&R :Data collected by Division of Parks and Recreation and Cultural Resources Department	COMMENTS	:Data collected by NC Natural Heritage Program
DATA CATEGORY NAME	:Environmental quality - air quality, water quality, point pollution, non-point pollution	DATA CATEGORY NAME	:Soils data - association
GEOGRAPHIC COVERAGE GEOGRAPHIC REFERENCE	:Statewide :State Plane Coordinates Universal Transverse Mercator Latitude/longitude	GEOGRAPHIC COVERAGE GEOGRAPHIC REFERENCE	:Statewide :State Plane Coordinates Universal Transverse Mercator Latitude/longitude
MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scale: site specific :Coordinate point :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape	MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scale: county :Polygon, arc/node :Maps - one scale only, graphics, statistical summaries, composite mapping, interactive video display, computer tape
DATA SOURCES UPDATE FREQUENCY COMENTS	:Secondary :As needed :Data managed by Division of Environmental Management, LRTS has access to data via tape	DATA SOURCES UPDATE FREQUENCY COMENTS	:Secondary :As needed :Data collected by USDA SCS
DATA CATEGORY NAME	:Vegetation - rare and endangered	DATA CATEGORY NAME	:Soils data - series; engineering characteristics, capability class, productivity, and erosion can be derived
GEOGRAPHIC COVERAGE GEOGRAPHIC REFERENCE	:Statewide :State Plane Coordinates Universal Transverse Mercator Latitude/longitude	GEOGRAPHIC COVERAGE GEOGRAPHIC REFERENCE	:Carteret, Buncumbe, Wayne, and Lee Counties :State Plane Coordinates Universal Transverse Mercator Latitude/longitude
MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scale: site specific :Coordinate point :Maps - one scale only, statistical summaries, composite mapping, interactive video display, computer tape	MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scales: county, 7 and 1/2 minute quads :Polygon, arc/node :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape
DATA SOURCES UPDATE FREQUENCY COMENTS	:Secondary :As needed :Data collected by NC Natural Heritage Program	DATA SOURCES UPDATE FREQUENCY COMENTS	:Secondary :As needed :Data collected by USDA SCS
DATA CATEGORY NAME	:Wildlife - threatened and endangered	DATA CATEGORY NAME	:Wildlife - non-game fish, non-game marine/estuarial, vegetation, anadromous fish areas, primary nursery areas, shellfish beds, waterfowl wintering and breeding areas
GEOGRAPHIC COVERAGE GEOGRAPHIC REFERENCE	:Statewide :State Plane Coordinates Universal Transverse Mercator Latitude/longitude	GEOGRAPHIC COVERAGE GEOGRAPHIC REFERENCE	:Coastal counties :State Plane Coordinates Universal Transverse Mercator Latitude/longitude
MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scale: site specific :Coordinate point :Maps - one scale only, graphics, statistical summaries, composite mapping, interactive video display, computer tape	MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scale: 7 and 1/2 minute quads :Coordinate point, polygon, arc/node :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape
DATA SOURCES UPDATE FREQUENCY	:Secondary :As needed	DATA SOURCES UPDATE FREQUENCY	:Secondary :As needed

CONTENTS	:Data collected by Division of Marine Fisheries and NC Wildlife Resources Commission	MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scale: county, 7 and 1/2 minute quads :Polygon, arc/node :Maps - one scale only, graphics, statistical summaries, composite mapping, interactive video display, computer tape
DATA CATEGORY NAME	:Coastal resources - coastal shorelines	DATA SOURCES UPDATE FREQUENCY COMMENTS	:Secondary :As needed :USGS digital transportation codes :Data collected from USGS topographic maps and NC DOT highway maps
GEOGRAPHIC COVERAGE	:Coastal counties		
GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude		
MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scale: county, 7 and 1/2 minute quads :Polygon, arc/node :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape		
DATA SOURCES UPDATE FREQUENCY COMMENTS	:Secondary :As needed :Data is taken from USGS topographic maps and is supplied to USGS		
DATA CATEGORY NAME	:Energy - transmission lines (1:24,000), peat resources (1:250,000)	DATA CATEGORY NAME	:Land cover - forest land, water, cropland, pasture, urban/built-up, also includes erosion rates and conservation treatment
GEOGRAPHIC COVERAGE	:Pamlico/Albemarle Peninsula	GEOGRAPHIC COVERAGE	:Upper Neuse River Watershed, Upper Tar River Watershed, Moss Neck Watershed, Troublesome Creek Watershed, Buffalo-Muddy Creek Watershed, and five watersheds in Chowan Basin
GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude	GEOGRAPHIC REFERENCE	:State Plane Coordinates Universal Transverse Mercator Latitude/longitude
MINIMUM RESOLUTION DATA STORAGE FORMAT OUTPUT PRODUCTS	:Original scale: 7 and 1/2 minute quads :Polygon, arc/node :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape	MINIMUM RESOLUTION	:Original scale: watershed, county, 7 and 1/2 minute quads
DATA SOURCES LEVEL OF RELIABILITY UPDATE FREQUENCY COMMENTS	:Secondary :High :As needed :Transmission line data taken from USGS topographic maps, peat inventory by investigators at UNC-Chapel Hill and East Carolina University Digital transmission line data is supplied to USGS, National Digital Cartographic Database	DATA STORAGE FORMAT OUTPUT PRODUCTS	:Polygon, arc/node :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape
DATA CATEGORY NAME	:Transportation - roads (types), trails	DATA SOURCES UPDATE FREQUENCY COMMENTS	:Secondary :As needed :Data collected by SCS mapping program (1:24,000)
GEOGRAPHIC COVERAGE	:Statewide (1 inch = 2 miles)		
GEOGRAPHIC REFERENCE	:Pamlico/Albemarle Peninsula, Carteret County, Buncombe County (larger scale?) :State Plane Coordinates Universal Transverse Mercator Latitude/longitude		

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DOCUMENTATION	:Documentation available on: hardware, software, data structure, data encoding format/procedure, and general information
USER FEES POLICY	:Fees are charged for all products and services according to a fee schedule, on a cost recovery basis
DATE OF INFORMATION	:9/28/83
PAPER FILE NUMBER	:NC2

STATE :NC
 DATA BASE NAME :Water Supply Analyses
 SUBJECT COVERAGE :Environmental quality of water supplies
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :NC Department of Human Resources
 RESPONDENT :Larry Elmore, Environmental Engineer
 Water Supply Branch
 NC Department of Human Resources
 Bush Building, Room 204
 306 North Wilmington Street
 Raleigh, NC 27602
 Telephone: 919-733-2321
 OTHER CONTACTS :Charles E. Rundgren, Branch Head

COMPUTER FACILITIES

COMPUTER(S) :WANG VS100
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 1 megabyte
 Disc storage: 2(75mg) 2(288mg)
 LANGUAGE(S) :COBOL
 PERIPHERAL DEVICES :CRT, line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
 water supply quality, radiological analyses, bacteriological analyses, inorganic chemical analyses
 GEOGRAPHIC COVERAGE :Statewide (four regional offices)
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :Ownership unit
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Daily

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DOCUMENTATION :Available on software
 USER FEES POLICY :Fees are charged for all products and services according
 to a fee schedule
 DATE OF INFORMATION :12/1/83
 PAPER FILE :NC19

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CODE :ND001-01

STATE :ND
DATA BASE NAME :Water Permit Annual Use Inventory Reports
SUBJECT COVERAGE :Groundwater and surface water use
GEOGRAPHIC COVERAGE :Statewide
AGENCY :ND State Water Commission
RESPONDENT :Gordon Baesler, Engineer
Hydrology Division
ND State Water Commission
900 East Boulevard
Bismarck, ND 58505
Telephone: 701-224-3441
OTHER CONTACTS :Jon Patch
Telephone: 701-224-2754
:Dave Ripley
Telephone: 701-224-2754
:Vernon Fahy, State Engineer
Telephone: 701-224-2753

COMPUTER FACILITIES

COMPUTER(S) :IBM 4341
RESIDENCE :ND Central Data Processing
OPERATION :Batch and interactive

IN-HOUSE FACILITIES

LANGUAGE(S) :CICS
PERIPHERAL DEVICES :Docwriter, alphanumeric CRT (IBM)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Water use -
permits, annual water usage, irrigation, municipal
water usage, self-supplied industrial water usage,
thermoelectric water usage, groundwater, surface
water
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
By drainage basin
By county
By township
By point of diversion
MINIMUM RESOLUTION :1/4-1/4 section
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, statistical summaries, interactive video dis-
play capability
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Continuously

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DATE OF INFORMATION :9/9/83
PAPER FILE NUMBER :ND4

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ND001-01

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CODE :ND002-01

STATE :ND
 DATA BASE NAME :Coal Mine Permit Data
 SUBJECT COVERAGE :Bonding, surface water monitoring, ground water monitoring
 GEOGRAPHIC COVERAGE :Nine counties in western North Dakota (Adams, Bowman, Burke, McLean, Mercer, Morton, Oliver, Stark and Ward counties)
 STATUS :Currently, permit status data are automated under an old data base. These data will be transferred into the new data base this year, starting in Spring 1983. All other permit data (excluding topographic maps and overburden/cont isopachs) are non-automated.
 AGENCY RESPONDENT :ND Public Service Commission
 :Louis A. Ogaard, Environmental Scientist
 :ND Public Service Commission
 :Reclamation Division
 :13th Floor - State Capitol Building
 :Bismarck, ND 58505-0165
 :Telephone: 701-224-2400

COMPUTER FACILITIES

COMPUTER(S) :HARRIS 5500
 RESIDENCE :ND Central Data Processing, State Capitol Building

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN-77
 PERIPHERAL DEVICES :Graphics CRTs (Tektronix 4014, 4016), CMTs and a non-impact printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Mining -
 :coal mine permits, bonding
 GEOGRAPHIC COVERAGE :Nine counties in western North Dakota (Adams, Bowman, Burke, McLean, Mercer, Morton, Oliver, Stark and Ward counties)
 DATA STORAGE FORMAT :Polygon, tabular
 OUTPUT PRODUCTS :Maps, graphics, tables
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Continuously

DATA CATEGORY NAME :Environmental quality -
 :surface water monitoring, groundwater monitoring, coal mining, point pollution
 GEOGRAPHIC COVERAGE :Nine counties in western North Dakota (Adams, Bowman, Burke, McLean, Mercer, Morton, Oliver, Stark and Ward counties)
 DATA STORAGE FORMAT :Tabular

OUTPUT PRODUCTS :Data listings
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Continuously

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DOCUMENTATION :Descriptions of the data base and loading/retrieval programs will be available in late 1983 from Central Data Processing; copying costs will be borne by the recipient of the documentation.
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :2/9/83
 PAPER FILE NUMBER :ND10

CODE :ND003-01

STATE :ND
DATA BASE NAME :ND Natural Heritage
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of North Dakota and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :ND Parks and Recreation Department
RESPONDENT :Pam Soine, Coordinator/Zoologist
ND Natural Heritage
ND Parks and Recreation Department
Pinehurst Office Park
1424 W. Century Avenue
P.O. Box 700
Bismarck, ND 58502
Telephone: 701-224-58502
OTHER CONTACTS :Richard Warner, Botanist
:Bonnie Heidel, Plant Ecologist
:Patsy Crooke, Data Manager
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5100

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :ND12

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ND003-01

		CODE :NE001-01	
STATE	:NE	DATA STORAGE FORMAT	:Tabular, basic data - variable length monthly records
DATA BASE NAME	:NE Natural Resources Data Bank	OUTPUT PRODUCTS	:Statistical summaries, data listings, tables, graphics, various analyses
DATA BASE ACRONYM	:NNRIS	DATA SOURCES	:Secondary
SUBJECT COVERAGE	:Soil, water and related resources	LEVEL OF RELIABILITY	:High
GEOGRAPHIC COVERAGE	:Statewide	UPDATE FREQUENCY	:Annual
STATUS	:The Nebraska Natural Resources Commission was authorized in 1969 by the Legislature to establish, maintain, and administer a data bank in the field of soil and water resources in the State of Nebraska.	CLASSIFICATION	:National Weather Service Data
AGENCY RESPONDENT	:NE Natural Resources Commission Mahendra K. Bansal, Head Data Bank Section NE Natural Resources Commission 301 Centennial Mall South P.O. Box 94876 Lincoln, NE 68509 Telephone: 402-471-2081	COMMENTS	:Updated through December 1982
OTHER CONTACTS	:Executive Secretary, NE Natural Resources Commission		
<u>COMPUTER FACILITIES</u>			
COMPUTER(S)	:IBM 370/158 MVS	DATA CATEGORY NAME	:Streamflow data - station description, discharge, peakflow, drainage area description
RESIDENCE	:University of Nebraska, Lincoln Computing Facility	GEOGRAPHIC COVERAGE	:Statewide (at gaging stations)
OPERATION	:Batch	GEOGRAPHIC REFERENCE	:Latitude/longitude Natural Resource District County River basin Gaging station
GIS CAPABILITY	:Partial	MINIMUM RESOLUTION	:Site specific (by station)
<u>IN-HOUSE FACILITIES</u>		DATA STORAGE FORMAT	:Tabular, basic data - fixed length monthly records
OPERATING SYSTEM	:IBM 3777/1 Communications Terminal	OUTPUT PRODUCTS	:Tables, graphics (curves), data listings, various analyses
SYSTEM CAPACITY	:High speed remote job entry-9600 bauds/second	DATA SOURCES	:Secondary
LANGUAGE(S)	:FORTRAN PL/I	LEVEL OF RELIABILITY	:High
SPECIALIZED SOFTWARE	:MISARS	UPDATE FREQUENCY	:Annual
PERIPHERAL DEVICES	:Other specialized programs developed in the Data Bank Tektronix mechanical digitizer, CRT display terminals (3), line printer, dot matrix printer with graphics, small flatbed pen plotter, IBM 3742 Dual Data Station	CLASSIFICATION	:USGS STORET data
<u>DESCRIPTION OF DATA CATEGORIES</u>		COMMENTS	:Updated through September 1982
DATA CATEGORY NAME	:Climate/weather - rainfall, wind, ambient temperature, snowfall, evaporation, events occurrence, water temperature solar radiation		
GEOGRAPHIC COVERAGE	:Statewide (National weather data stations)	DATA CATEGORY NAME	:Hydrographic data - canal diversions, reservoir storage, stream discharges
GEOGRAPHIC REFERENCE	:Latitude/longitude Climatological Data Station County River basin Natural Resource District	GEOGRAPHIC COVERAGE	:Statewide
MINIMUM RESOLUTION	:Site specific	GEOGRAPHIC REFERENCE	:Latitude/longitude County River basin Natural Resource District Site specific (by station)
		MINIMUM RESOLUTION	:Tabular, basic data - variable length monthly records
		DATA STORAGE FORMAT	:Data listings, statistical summaries
		OUTPUT PRODUCTS	:Secondary
		DATA SOURCES	:Moderate
		LEVEL OF RELIABILITY	:Annual
		UPDATE FREQUENCY	:Updated through September 1982; basic data acquired from the NE Department of Water Resources
		COMMENTS	
		DATA CATEGORY NAME	:Surface water - water rights, source or stream name, carrier name, use, appropriator
		GEOGRAPHIC COVERAGE	:Statewide

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GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Data listings, summary listings
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Annual
COMMENTS :Updated through June 1983; basic data acquired from the NE Department of Water Resources

DATA CATEGORY NAME :Wells - registration, location, use, depth, water levels, acres irrigated, permits
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Public Land Survey
DATA STORAGE FORMAT :County
OUTPUT PRODUCTS :Natural Resource District
DATA SOURCES :Site specific
LEVEL OF RELIABILITY :Tabular
UPDATE FREQUENCY :Statistical summaries; well plots by county, Natural Resource District, township or state
COMMENTS :Secondary
Moderate
Quarterly
Comments :Updated through June 1983; basic data acquired from the NE Department of Water Resources

DATA CATEGORY NAME :Dams - ownership, location, basic structural and hydraulic details, inspection date
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :County
DATA STORAGE FORMAT :Site specific
OUTPUT PRODUCTS :Tabular
DATA SOURCES :Data listing
LEVEL OF RELIABILITY :Secondary
UPDATE FREQUENCY :High
COMMENTS :Annual
Comments :Updated through June 1983; basic data acquired from the NE Department of Water Resources

DATA CATEGORY NAME :Environmental quality - drinking water supplies: municipalities, industries, campgrounds, biological, chemical, physical, radio-logical
GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Municipality
MINIMUM RESOLUTION :Site sampled
DATA STORAGE FORMAT :Site specific
OUTPUT PRODUCTS :Tabular
DATA SOURCES :Reports, data listings
LEVEL OF RELIABILITY :Secondary
UPDATE FREQUENCY :Moderate
COMMENTS :Monthly
Comments :Updated through August 1983; basic data acquired from the NE Department of Health

DATA CATEGORY NAME :Groundwater levels - well location, well depth, land surface datum, well use, water use, highest recorded water level, lowest recorded water level, last recorded water level
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Public Land Survey
DATA STORAGE FORMAT :County
OUTPUT PRODUCTS :Site specific
DATA SOURCES :Tabular
LEVEL OF RELIABILITY :Data listings, water table plots, statistical summaries
UPDATE FREQUENCY :Secondary
COMMENTS :Moderate
Comments :Annual
Comments :Updated through December 1982; basic data acquired from the NE Conservation and Survey Division, WMA.

DATA CATEGORY NAME :Environmental quality - surface water quality, groundwater quality, point source effluent data, fish kill data
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :County
DATA STORAGE FORMAT :Site specific (station)
OUTPUT PRODUCTS :Tabular
DATA SOURCES :Data listings, summary listings
LEVEL OF RELIABILITY :Secondary
UPDATE FREQUENCY :Moderate
CLASSIFICATION :Bi-annual
COMMENTS :EPA - STORET
Comments :Updated through December 1980; data acquired from EPA/STORET

DATA CATEGORY NAME :Agricultural crop data - statistics, crop type, acres harvested, crop yield, production for dryland/irrigated land separately and combined

DATA CATEGORY NAME	:Demography - populations, age, race, sex, projections
GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:County Natural Resource District
MINIMUM RESOLUTION	:10 acres
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Low
UPDATE FREQUENCY	:One time only
COMMENTS	:USGS Circular 671
DATA CATEGORY NAME	:Soils data - type, series, engineering characteristics, capability class, erosion losses, conservation measures
GEOGRAPHIC COVERAGE	:Soils types digitized for 18 counties; mostly in southeast Nebraska (Adams, Dodge, Douglas, Gage, Hall, Harlan, Jefferson, Lincoln, Nuckolls, Pawnee, Phelps, Polk, Sarpy, Seward, Thayer, Washington, Webster and York); another 43 counties will be digitized during 1983-4.
GEOGRAPHIC REFERENCE	:Erosion data available for the Maple Creek Model Implementation Project area, Sarpy and Douglas counties.
MINIMUM RESOLUTION	:2-2/3 acre, 2 acre
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps (variable scale) for the Maple Creek Watershed, Douglas, Gage, Pawnee, Jefferson, Hall, Seward, and Adams counties; and tables
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Moderate
UPDATE FREQUENCY	:One time only
COMMENTS	:Updated through December 1981; basic data acquired from the US Soil Conservation Service

CRITICAL FLOOR
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DATA CATEGORY NAME	:Land use - urban/built-up land, agricultural land, rangeland, forest land, water, nonforested wetland, barren land, built up, and transportation
GEOGRAPHIC COVERAGE	:Seven Natural Resource Districts (NRDs) (South Platte NRD, Twin Platte NRD, Lower Niobrara NRD, Central Platte NRD, Upper Big Blue NRD, Upper Niobrara NRD, Papio NRD)
GEOGRAPHIC REFERENCE	:Public Land Survey
MINIMUM RESOLUTION	:10 acres
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Low
UPDATE FREQUENCY	:One time only
CLASSIFICATION	:USGS Circular 671
COMMENTS	:In progress; Landsat is source data, also basic data acquired from the US Soil Conservation Service
DATA CATEGORY NAME	:Groundwater - test holes header information; location, ownership, water use, well use, well depth, drill type, elevation, water level, depth of impervious bedrock, thickness of water saturated sand, gravel formations, bottom land and terrace region
GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Latitude/longitude Public Land Survey
MINIMUM RESOLUTION	:Site specific
DATA STORAGE FORMAT	:Tabular
OUTPUT PRODUCTS	:Data listings
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Moderate
UPDATE FREQUENCY	:One time only
COMMENTS	:Updated through December 1979; data acquired from the NE Conservation and Survey Division, UNL.
DATA CATEGORY NAME	:Agriculture - land use, land capability class, conservation treatment needs
GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:County
MINIMUM RESOLUTION	:County
DATA STORAGE FORMAT	:Tabular
OUTPUT PRODUCTS	:Data listings, data summaries
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Low
UPDATE FREQUENCY	:One time only

CODE :NE001-01
(con'd)

COMMENTS :Data compiled in 1967; basic data acquired from the US Soil Conservation Service

DATA CATEGORY NAME :Center pivots
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
 County
 Natural Resource District
 Site specific
MINIMUM RESOLUTION
DATA STORAGE FORMAT
OUTPUT PRODUCTS :Data listings, data summaries
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Annual
COMMENTS :Updated through December 1981; data acquired from the NE Conservation and Survey Division, UNL

DOCUMENTATION :"Nebraska Natural Resources Data Bank (Information System) Users Manual" (January 1981); "Nebraska Natural Resources Data Bank (Information System) Data Access Manual" (June 1981)

USER FEES POLICY :Users are billed for mailing charges and the actual computer costs involved in the retrieval of the information requested

DATE OF INFORMATION :9/27/83
PAPER FILE NUMBER :NBS

STATE :NE
DATA BASE NAME :Demographic Data
SUBJECT COVERAGE :Demographic data in NE
GEOGRAPHIC COVERAGE :Statewide
AGENCY :Bureau of Business Research
RESPONDENT :Don Pursell, Director, Bureau of Business Research
 200 College of Business Administration
 University of Nebraska
 Lincoln, NE 68588
 Telephone: 402-472-2334
OTHER CONTACTS :Jerome Deichert, Research Associate

COMPUTER FACILITIES

RESIDENCE :University of Nebraska, Lincoln

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - populations, age, sex, economic aspects, historical data, projections
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :County, any government measurement
MINIMUM RESOLUTION
DATA STORAGE FORMAT
OUTPUT PRODUCTS :Tables, statistical summaries, computer tape
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Semi-annually, every 10 years
COMMENTS :Includes data collected by Census, BEA, Labor, etc. Some of this data is supplied to the Nebraska Natural Resources Data Bank (see NE001-01)

USER FEES POLICY :Fees are charged for some products and services according to a fee schedule
DATE OF INFORMATION :10/3/83
PAPER FILE NUMBER :NES

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NE001-01
(cont.)
NE002-01

STATE :NJ
 DATA BASE NAME :NJ Pollutant Discharge Elimination System Files
 SUBJECT COVERAGE :Environmental quality of ground and surface waters
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :NJ Division of Water Resources
 RESPONDENT :Gail Carter, Senior Geologist
 NJ Geological Survey
 Division of Water Resources
 NJ Department of Environmental Protection
 1474 Prospect Street, CN 029
 Trenton, NJ 08625
 Telephone: 609-292-0668
 OTHER CONTACTS :Ellen Radow, Esq., Bureau Chief, Permits Administration
 Telephone: 609-292-4428

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 CONPURO SYSTEM 8/16C
 RESIDENCE :NJ Department of Transportation Data Center

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Nonochrome graphics CRT, dot matrix printer with graphics

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - groundwater quality, groundwater discharge, surface water quality, surface water discharge, sludge quality, chemical analyses
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Facility identifier
 OUTPUT PRODUCTS :Site specific
 DATA SOURCES :Tables, computer tape, interactive video display
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Moderate
 :Monthly

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DATE OF INFORMATION :11/14/83
 PAPER FILE NUMBER :NJ2

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STATE :NJ
 DATA BASE NAME :Comprehensive Plan
 SUBJECT COVERAGE :Surface and ground water locations and users
 GEOGRAPHIC COVERAGE :Delaware River Basin, including NJ, PA, DE, and NY
 AGENCY :Delaware River Basin Commission
 RESPONDENT :Richard C. Tortorello, Head, Operations Branch
 Delaware River Basin Commission
 25 State Police Drive
 PO Box 7360
 West Trenton, NJ 08628
 Telephone: 609-883-9500

COMPUTER FACILITIES

COMPUTER(S) :CONTROL DATA 7600
 RESIDENCE :Control Data Corporation, using System 2000 WINS
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater - quantity, well location, permitted use
 GEOGRAPHIC COVERAGE :Delaware River Basin
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Watershed or river basin, ownership unit, county, township
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :Annual

DATA CATEGORY NAME :Surface water - water body type, supply and storage, location, user
 GEOGRAPHIC COVERAGE :Delaware River Basin
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Watershed or river basin, ownership unit, county, township
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :Annual

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USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :9/29/83
 PAPER FILE NUMBER :NJS

CODE :NJ002-02

CODE :NJ003-01

STATE :NJ
 DATA BASE NAME :Self-Supplied Water User Inventory
 SUBJECT COVERAGE :Use of surface and ground waters
 GEOGRAPHIC COVERAGE :Delaware River Basin
 AGENCY :Delaware River Basin Commission
 RESPONDENT :Richard C. Tertoriello, Head, Operations Branch
 Delaware River Basin Commission
 25 State Police Drive
 PO Box 7300
 West Trenton, NJ 08628
 Telephone: 609-883-9500

COMPUTER FACILITIES

COMPUTER(S) :CONTROL DATA 7600
 RESIDENCE :Control Data Corporation, using System 2000 DBMS
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
 quantity used, location, user
 GEOGRAPHIC COVERAGE :Delaware River Basin
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Watershed or river basin
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :Not yet updated

DATA CATEGORY NAME :Groundwater -
 discharge/pumpage, location
 GEOGRAPHIC COVERAGE :Delaware River Basin
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Watershed or river basin, county, township
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :Not yet updated

USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :9/29/83
 PAPER FILE NUMBER :NJ5

STATE :NJ
 DATA BASE NAME :NJ Energy Data System
 SUBJECT COVERAGE :Information dealing with energy
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :NJ Department of Energy
 RESPONDENT :Quentin Darmstadt, Chief, Data Center
 NJ Department of Energy
 101 Commerce Street
 Newark, NJ 07102
 Telephone: 201-648-4850
 OTHER CONTACTS :Doris Rizzolo, Energy Specialist
 Telephone: 201-648-4845

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/168
 RESIDENCE :NJ Educational Computer Network
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics), hard copy terminals (3), alphanumeric CRT's (24)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy -
 production, demand, supply, prices, energy related demographic data, fuel mix, storage capacity, auto registrations, toll road mileage/volume
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Not geographically referenced
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics, modelling capability
 DATA SOURCES :Primary and secondary
 UPDATE FREQUENCY :Monthly to annually
 CONFIDENTIALITY :Sales, storage and capacity data from oil companies have restricted access

USER FEES POLICY :No policy established
 DATE OF INFORMATION :9/30/83
 PAPER FILE NUMBER :NJ6

CODE :NJ004-01

LEVEL OF RELIABILITY :Variable

STATE :NJ
 DATA BASE NAME :Survey of Mining Operations in NJ, Past and Present
 SUBJECT COVERAGE :Mining and geologic information
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :NJ Geological Survey
 RESPONDENT :Christy Bell, Senior Geologist
 NJ Geological Survey
 Division of Water Resources
 NJ Department of Environmental Protection
 1474 Prospect Street, CN 029
 Trenton, NJ 08625
 Telephone: 609-292-2576
 OTHER CONTACTS :raig Kasabach, Deputy State Geologist
 Telephone: 609-292-0668

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Department of Transportation
 OPERATION :Interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, small flatbed pen plotter, hard copy terminals (2), alphanumeric CRT's (5)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Mining -
 all commodities, location, for some sites: production information
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Variable

DATA CATEGORY NAME :Geology -
 bedrock geology, exploration/extraction
 GEOGRAPHIC COVERAGE :Some sites statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Geologic description of the sites
 DATA SOURCES :Primary and secondary

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NJ004-01

CODE :NJ005-01

CODE :NJ005-02

STATE :NJ
 DATA BASE NAME :Coastal Regulatory Data
 SUBJECT COVERAGE :Coastal permits, regulatory data
 GEOGRAPHIC COVERAGE :NJ coastal zone
 STATUS :Compatible with the NJDEP Geographic Information System, (see NJ010-01)
 AGENCY :NJ Division of Coastal Resources
 RESPONDENT :David Stern, Planning Coordinator
 Division of Coastal Resources
 NJ Department of Environmental Protection
 Room 702, Labor and Industry Building, CN 401
 Trenton, NJ 08625
 Telephone: 609-292-9762
 OTHER CONTACTS :Bob Mills, Manager Geog. and Stats. Unit
 Telephone: 609-292-9762

COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4114
 IBM 3033
 RESIDENCE :Central government computer center
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Regulatory data - coastal permits
 GEOGRAPHIC COVERAGE :NJ coastal zone
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Polygon
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical summaries, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Weekly

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USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :10/3/83
 PAPER FILE NUMBER :NJ12

STATE :NJ
 DATA BASE NAME :Shorefront Municipality Data
 SUBJECT COVERAGE :Demographic, social and economic data
 GEOGRAPHIC COVERAGE :Shorefront municipalities in NJ
 STATUS :Compatible with the NJDEP Geographic Information System (see NJ010-01)
 AGENCY :NJ Division of Coastal Resources
 RESPONDENT :David Stern, Planning Coordinator
 Division of Coastal Resources
 NJ Department of Environmental Protection
 Room 702, Labor and Industry Building, CN 401
 Trenton, NJ 08625
 Telephone: 609-292-9762
 OTHER CONTACTS :Bob Mills, Manager Geog. and Stats. Unit
 Telephone: 609-984-6072

COMPUTER FACILITIES

COMPUTER(S) :TEKTRONIX 4114
 IBM 3033
 RESIDENCE :Central government computer center
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - populations, social aspects, economic aspects, percent seasonal housing, 1980 population, median value of owner occupied homes, 1982 visitors
 GEOGRAPHIC COVERAGE :Shorefront municipalities on the Atlantic coast of NJ
 GEOGRAPHIC REFERENCE :Municipality
 MINIMUM RESOLUTION :Township
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical summaries, computer tape
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Varies

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USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :10/3/83
 PAPER FILE NUMBER :NJ12

CODE :NJ006-01

STATE :NJ
 DATA BASE NAME :Public Open Space and Outdoor Recreation Facilities
 SUBJECT COVERAGE :Recreation
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Data base is in early stages of development. The following information is based on intended plans and therefore may be changed by the time the system is operational. Eventual plans include tying the system together with the NJDEP Geographic Information System. (see NJ010-01)
 AGENCY :NJ Green Acres Program
 RESPONDENT :Robert S. Stokas, Bureau Chief, Open Space and Recreation Resource Planning
 Green Acres Program
 NJ Department of Environmental Protection
 1301 Parkside Avenue, CN 404
 Trenton, NJ 08625
 Telephone: 609-890-9040
 OTHER CONTACTS :Hermia Lechner, Administrator, Green Acres Program
 Telephone: 609-292-2454

DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate to low
 UPDATE FREQUENCY :New data on open space acquisitions and recreation facility development funded by Green Acres Office is inserted continuously; complete recheck every 5 years

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DATE OF INFORMATION :10/12/83
 PAPER FILE NUMBER :NJ15

COMPUTER FACILITIES

COMPUTER(S) :APPLE IIe
 RESIDENCE :In-house
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE IIe - Two
 SYSTEM CAPACITY :Main memory: 64 bytes
 Disc storage: 16 bytes
 Simultaneous users supported: 2
 LANGUAGE(S) :BASIC
 FORTRAN
 PASCAL
 SPECIALIZED SOFTWARE :VISAICALC IIe
 QUICK FILE IIe
 PERIPHERAL DEVICES :Monochrome graphics CRT's (2), dot matrix printer with graphics, hard copy terminals (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -
 public open space
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Undetermined
 MINIMUM RESOLUTION :Township/municipality
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Still determining equipment capabilities, data needs, and potential interrelationships with other data systems within DEP

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NJ006-01

CODE :NJ007-01

STATE :NJ
DATA BASE NAME :DEPFFINV and DistFw
SUBJECT COVERAGE :Forestry
GEOGRAPHIC COVERAGE :All of the forest fire service area in the state (most of the state is included)
AGENCY :NJ Division of Parks and Forestry
RESPONDENT :Thomas F. Miller, Assistant Forester (Fire)
Division of Parks and Forestry
NJ Department of Environmental Protection
Room 713, John Fitch Plaza, CN 404
Trenton, NJ 08625
Telephone: 609-292-2977

COMPUTER FACILITIES

COMPUTER(S) :IBM 1130
RESIDENCE :Department of Transportation
OPERATION :Interactive
GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
forest fire control, section boundaries
GEOGRAPHIC COVERAGE :All forest fire service areas in NJ
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :15 seconds by 15 seconds
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Maps (1 inch = 4 miles)
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Continuous

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USER FEES POLICY :Fees are charged for all products and services according to a fee schedule
DATE OF INFORMATION :10/26/83
PAPER FILE NUMBER :NJ16

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NJ007-01

STATE : NJ
 DATA BASE NAME : State Forest Inventories
 SUBJECT COVERAGE : Forest resources - description and location of forests
 GEOGRAPHIC COVERAGE : State forests and parks in NJ
 AGENCY : NJ Bureau of Forest Management
 RESPONDENT : Margaret M. Meade, Forester
 Bureau of Forest Management
 NJ Department of Environmental Protection
 Room 713, C & I Building, CN 404
 Trenton, NJ 08625
 Telephone: 609-292-2532

COMPUTER FACILITIES

COMPUTER(S) : OSBORNE I
 IBM 370
 RESIDENCE : In-house, Department of Transportation's IBM mainframe, occasional use of Rutgers University Educational Computer Network (ECN), and Telemail-electronic mail system
 OPERATION : Interactive
 GIS CAPABILITY : Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM : CP/M
 SYSTEM CAPACITY : Main memory: 65,536 bytes
 Disc storage: 250 K
 LANGUAGE(S) : BASIC
 SPECIALIZED SOFTWARE : WORDSTAR
 SUPERCALC
 PERIPHERAL DEVICES : Dot matrix printer with graphics, hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Forestry -
 Forested land: species, quality/condition, biomass/volume, age
 GEOGRAPHIC COVERAGE : State forests and parks: Voorhees, High Point, Lebanon, Belleplain, Stokes
 GEOGRAPHIC REFERENCE : Ad hoc grid, unreferenced
 MINIMUM RESOLUTION : Plots of approximately 23 acres
 DATA STORAGE FORMAT : Coordinate point
 OUTPUT PRODUCTS : Tables, graphics, statistical summaries, computer tape
 DATA SOURCES : Primary
 LEVEL OF RELIABILITY : Moderate
 UPDATE FREQUENCY : Every 10 years
 CLASSIFICATION : Society of American Foresters "Forest Cover Types of North America", also used Pinelands Commission cover types for South Jersey

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USER FEES POLICY : Products and services available at no charge
 DATE OF INFORMATION : 10/24/83
 PAPER FILE NUMBER : NJ17

STATE : NJ
 DATA BASE NAME : Well Permits
 SUBJECT COVERAGE : Permits to drill groundwater wells
 GEOGRAPHIC COVERAGE : Statewide
 STATUS : Processing of well permits is currently under way. Automation of the data will not be done for quite a while because of the volume of the data, staffing, and programming. Eventually the data will be entered in the USGS Water Resource Office in Trenton.
 AGENCY : NJ Bureau of Water Allocation
 RESPONDENT : Carol Lucey, Supt. Geologist
 Bureau of Water Allocation
 NJ Department of Environmental Protection
 1474 Prospect Street, CN 029
 Trenton, NJ 08625
 Telephone: 609-984-6831

COMPUTER FACILITIES

COMPUTER(S) : TRS Model 111
 TRS Model IV
 RESIDENCE : In-house
 GIS CAPABILITY : No

IN-HOUSE FACILITIES

SYSTEM CAPACITY : Main memory: 48 RAM
 Disc storage: 400 K
 LANGUAGE(S) : BASIC
 SPECIALIZED SOFTWARE : PROFILE
 VISICALC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME : Groundwater -
 permits to drill, location, proposed depth, yield, owner, facility address, use, method of drilling
 GEOGRAPHIC COVERAGE : Statewide
 GEOGRAPHIC REFERENCE : NJ Rectangular Coordinate System
 MINIMUM RESOLUTION : Ownership unit
 DATA STORAGE FORMAT : Coordinate point
 OUTPUT PRODUCTS : Statistical summaries, composite mapping
 DATA SOURCES : Primary
 LEVEL OF RELIABILITY : Moderate
 UPDATE FREQUENCY : Continuous
 COMMENTS : Some data sent to USGS

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USER FEES POLICY : Products and services available at no charge
 DATE OF INFORMATION : 9/21/83
 PAPER FILE NUMBER : NJ7

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CODE :NJ009-02

STATE :NJ
 DATA BASE NAME :Diversion Allocation Files
 SUBJECT COVERAGE :Water usage data, ground and surface
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Data is being automated and sent to USGS in Trenton
 AGENCY :NJ Bureau of Water Allocation
 RESPONDENT :Carol Lucey, Supr. Geologist
 Bureau of Water Allocation
 NJ Department of Environmental Protection
 1474 Prospect Street, CN 029
 Trenton, NJ 08625
 Telephone: 609-984-6831

OUTPUT PRODUCTS :Maps - variable scale, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Annual
 COMMENTS :Data are supplied to USGS Water Use Program - WATSTORE

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USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :9/21/83
 PAPER FILE NUMBER :NJ7

COMPUTER FACILITIES

COMPUTER(S) :TMS Model III
 TRS Model IV
 RESIDENCE :In-house
 USGS water computer in Trenton
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 48 RAM
 Disc storage: 400 K
 LANGUAGE(S) :BASIC
 SPECIALIZED SOFTWARE :PHOTFILE
 VISICALC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -
 quantity, discharge/pumpage, water rights, use
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Ownership unit
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps - variable scale, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Annual
 COMMENTS :Data are supplied to USGS Water Use Program - WATSTORE

DATA CATEGORY NAME :Surface water hydrology -
 discharge/volume/stage, water rights, use
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Ownership unit
 DATA STORAGE FORMAT :Coordinate point

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CODE :NJ009-03

STATE :NJ
DATA BASE NAME :Well Records
SUBJECT COVERAGE :Data on groundwater wells
GEOGRAPHIC COVERAGE :Statewide
STATUS :Well records for large capacity wells in USGS study areas are in GWSI, the USGS Groundwater Site Inventory data base in Reston, VA
AGENCY RESPONDENT :NJ Bureau of Water Allocation
:Carol Lucey, Supr. Geologist
Bureau of Water Allocation
NJ Department of Environmental Protection
1474 Prospect Street, CN 029
Trenton, NJ 08625
Telephone: 609-984-6831

COMPUTER FACILITIES

RESIDENCE :USGS, Reston, VA

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater - wells: location, owner, description of well construction, water flow and pumping, water use, quality of water
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Point

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DATE OF INFORMATION :9/21/83
PAPER FILE NUMBER :NJ7

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		CODE : NJ010-01		
STATE	: NJ			
DATA BASE NAME	: DEP Geographic Data Base			
SUBJECT COVERAGE	: Boundaries, soils, and land cover data			
GEOGRAPHIC COVERAGE	: Statewide base data, portions of the state for other data			
STATUS	: The Office of Science and Research has a GIS in the preliminary stages of development. They also serve as consultant to divisions of the Department of Environmental Protection, providing information on the implementation of existing software programs, eg. MAP - their baseline data, each division can then overlay their data onto this standardized base.			
AGENCY RESPONDENT	: NJ Office of Science and Research : Robert F. Mills, Manager : Geographic and Statistical Analysis Unit : Office of Science and Research : NJ Department of Environmental Protection : 190 West State Street, CN 402 : Trenton, NJ 08625 : Telephone: 609-984-6072			
OTHER CONTACTS	: Thomas A. Burke, Director, Office of Science and Research : Telephone: 609-984-6070			
<u>COMPUTER FACILITIES</u>				
COMPUTER(S)	: TECNTRONIX 4052 DEANZA DEC LSI 11 IBM 3033			
RESIDENCE	: In-house Department of Transportation Data Center (IBM 3033)			
OPERATION	: Interactive			
GIS CAPABILITY	: Yes			
<u>IN-HOUSE FACILITIES</u>				
LANGUAGE(S)	: FORTRAN Assembler APL			
PERIPHERAL DEVICES	: Color raster graphics CRT with light pen, screen recorder			
<u>DESCRIPTION OF DATA CATEGORIES</u>				
DATA CATEGORY NAME	: Boundaries - counties, watersheds, municipalities, islands			
GEOGRAPHIC COVERAGE	: Statewide			
GEOGRAPHIC REFERENCE	: State Plane Coordinates			
DATA STORAGE FORMAT	: Polygon			
DATA CATEGORY NAME : Soils data GEOGRAPHIC COVERAGE : Hunterdon County, Atlantic County, Burlington County, Cape May County, Middlesex County, Monmouth County, Ocean County (about half of the state) DATA SOURCES : Secondary COMMENTS : Data from SCS' Advanced Mapping System				
DATA CATEGORY NAME : Land cover - GEOGRAPHIC COVERAGE : barren land/extractive, forest land, water, wetlands, pasture/vacant, suburban/residential, urban/industrial/commercial MINIMUM RESOLUTION : 31 percent of the state DATA SOURCES : Primary CLASSIFICATION : Level I, USGS COMMENTS : Data are from a 208 Water Quality Management Planning Project Source data: Landsat NSS tapes				
DOCUMENTATION : "An Operational English Dialogue System for Statewide Integration of Polygon and Landsat Data" by Robert Mills, 1978 "Operational Analysis of a Geographic Information System in New Jersey" by Robert Mills and John Dwyer DATE OF INFORMATION : 9/14/83 PAPER FILE NUMBER : NJ1				

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CODE :NM001-01

STATE :NM
 DATA BASE NAME :NM Natural Resources Information System - Site Specific
 DATA BASE ACRONYM :NMRIS
 SUBJECT COVERAGE :Energy, recreation, wildlife, vegetation, vegetative cover, soils data, land ownership, groundwater, and paleontology
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :The NM Natural Resources Department and the Technology Application Center (TAC) at the University of New Mexico jointly developed the NM Natural Resources Information System. The NM Natural Resources Department manages site specific data. Refer to CODE: NM002-01 for information regarding regional data handled by the Technology Application Center. Data modules on wetlands and archaeology are planned for entry into this portion of the system in the near future.
 AGENCY RESPONDENT :NM Natural Resources Department
 :Bill Isaacs, Bureau Chief
 NM Natural Resources Information System
 NM Natural Resources Department
 Villa Rica Building
 Santa Fe, NM 87503
 Telephone: 505-827-7830
 OTHER CONTACTS :Fred Gross III, Systems Analyst
 Telephone: 505-827-7872

COMPUTER FACILITIES

COMPUTER(S) :AMDAHL 470/V6
 :HP 3000
 :DEC LSI/03
 RESIDENCE OPERATION :In-house; New Mexico State University
 :Interactive
 GIS CAPABILITY :Yes
 IN-HOUSE FACILITIES
 PERIPHERAL DEVICES :Monochrome graphics CRTs (4), hard copy terminals (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Energy - coal/lignite resources, ownership, production, geo-thermal resources
 GEOGRAPHIC COVERAGE :Northwestern portion of the State (parts of McKinley, Rio Arriba, Sandoval, San Juan and Valencia counties); also parts of Colfax and Union counties in northeastern New Mexico
 GEOGRAPHIC REFERENCE :Latitude/longitude
 :Public Land Survey
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4 section; section; township; county
 DATA STORAGE FORMAT :Coordinate point

OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 CONFIDENTIALITY :Information on coal depth and thickness is subject to restricted access

 DATA CATEGORY NAME :Recreation - facilities
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :Site specific; section; township; county; management unit
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Tables, statistical summaries, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Annually

 DATA CATEGORY NAME :Wildlife - mammals, birds, fish, reptiles, amphibians, game, non-game, populations, threatened species, endangered species
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 PUBLIC LAND SURVEY
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Weekly
 CONFIDENTIALITY :Data on threatened and endangered species are subject to restricted access

 DATA CATEGORY NAME :Vegetation - species, communities, rare species, endangered species
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 PUBLIC LAND SURVEY
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county; management unit
 DATA STORAGE FORMAT :Coordinate point

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OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Weekly
 CONFIDENTIALITY :Data on rare and endangered species are subject to restricted access

DATA CATEGORY NAME :Soils data - type, series, association, productivity, erosion, conservation measures
 GEOGRAPHIC COVERAGE :Northwestern portion of the State (parts of McKinley, Rio Arriba, Sandoval, San Juan and Valencia counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Weekly

DATA CATEGORY NAME :Vegetative cover - presence, composition, density, cover percent, frequency
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific; 1/4 section; section; township; county; management unit
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Weekly

DATA CATEGORY NAME :Land ownership
 GEOGRAPHIC COVERAGE :Northwestern portion of the State (parts of McKinley, Rio Arriba, Sandoval, San Juan and Valencia counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county; management unit; ownership unit

DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Weekly

DATA CATEGORY NAME :Groundwater - quantity, quality, recharge, discharge/pumpage, well location, water rights
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific; 10 acres; 1/4-1/4 section; 1/4 section; section; township; county; management unit; ownership unit; watershed or river basin
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Weekly

DATA CATEGORY NAME :Paleontology - collector, institution, species, additional fossils, stratum identification, deposit, geologic period
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific; county; ownership unit
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps (one scale only); computer tape, composite mapping
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :On an as-needed basis
 CONFIDENTIALITY :Most records are published
 COMMENTS :Data are routinely supplied to the USDI Bureau of Land Management; 4,000 records are currently in the data base, 6,000 records will be added in the near future

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DOCUMENTATION :General information and descriptions of hardware, software, data structure, data assessment procedures, data encoding format/procedures, and data types are available
 USER FEES POLICY :Fees charged for all products and services according to a fee schedule
 DATE OF INFORMATION :9/2/83
 PAPER FILE NUMBER :NMI

CODE :NM002-01

STATE :NM
 DATA BASE NAME :NM Natural Resources Information System - Regional Data
 DATA BASE ACRONYM :NRIS
 SUBJECT COVERAGE :Base data, soils data, national monuments, land ownership, geology, mineral leases, wildlife and vegetation

GEOGRAPHIC COVERAGE :Statewide

STATUS :The Technology Application Center (TAC) and the NM Natural Resources Department jointly developed the NM Natural Resources Information System. TAC manages regional data. Refer to CODE: NM001-01 for information regarding site specific data handled by the NM Natural Resources Department

AGENCY RESPONDENT :Technology Application Center (TAC)
 :Tel L. Talmor, Remote Sensing Specialist
 Technology Application Center
 University of New Mexico
 2500 Central Avenue Southeast
 Albuquerque, NM 87131
 Telephone: 505-277-3622

OTHER CONTACTS :Michael H. Inglis, Associate Director
 Dr. Stanley A. Morain, Director

COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/750
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :VMS
 SYSTEM CAPACITY :Main memory: 2 million bytes
 Disc storage: 162 million bytes
 LANGUAGE(S) :FORTRAN
 Assembler
 SPECIALIZED SOFTWARE :ELAS
 PERIPHERAL DEVICES :Color image display, tablet-free cursor digitizer, line printer, dot matrix printer with graphics, hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data - boundaries, state, counties, watersheds, river basins, roads
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1:100,000-scale USGS series maps
 DATA STORAGE FORMAT :Grid, coordinate point
 OUTPUT PRODUCTS :Maps (variable scale, 1:24,000-scale), computer tape,

modelling capability, composite mapping, interactive video display capability
 :Secondary
 :High
 :Not yet determined
 :Roads classified as primary, secondary, tertiary

DATA CATEGORY NAME :Soils data - association
 GEOGRAPHIC COVERAGE :Statewide eventually; Bernalillo, Colfax and most of San Juan counties are complete
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :By county
 DATA STORAGE FORMAT :Grid, polygon, coordinate point
 OUTPUT PRODUCTS :Maps (variable scale, 1:24,000-scale), graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 CLASSIFICATION :SCS Soil Classification

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DATA CATEGORY NAME :National monuments - soils, vegetation, roads, monument boundaries, archaeological sites, historic roads, prehistoric roads
 GEOGRAPHIC COVERAGE :Chaco Canyon (San Juan County)
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1:24,000-scale
 DATA STORAGE FORMAT :Grid, polygon, coordinate point, tabular
 OUTPUT PRODUCTS :Maps (variable scale, 1:24,000-scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :One time only (1982)
 CONFIDENTIALITY :Data on archaeological sites are subject to restricted access

DATA CATEGORY NAME :Land ownership - public, state, private, Indian
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Universal Transverse Mercator
 DATA STORAGE FORMAT :1/4 section; management unit
 OUTPUT PRODUCTS :Grid, polygon, coordinate point
 :Maps (1:24,000-scale), computer tape, modelling capa-

DATA SOURCES :Ability, statistical summaries, composite mapping, interactive video display capability
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :Low
 CLASSIFICATION :Not known
 :State/Federal/Indian/Private

DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Every 5 years

DATA CATEGORY NAME :Geology -
 SURFACE geology
 GEOGRAPHIC COVERAGE :Fruitland Coal Formation (eastern San Juan County)
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :7 1/2' topographic quadrangle
 DATA STORAGE FORMAT :Grid, polygon, coordinate point, tabular
 OUTPUT PRODUCTS :Maps (1:24,000-scale), graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :One time only

DATA CATEGORY NAME :Vegetation
 GEOGRAPHIC COVERAGE :Rio Puerco/Rio Salado watersheds, Sargent Wildlife Area, Lincoln National Forest, Mt. Taylor, San Juan Basin, Cuchillo
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :By management unit; by watershed or river basin
 DATA STORAGE FORMAT :Polygon, coordinate point, tabular
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :One time only

DATA CATEGORY NAME :Mineral leases -
 vegetation, drainage, cross sections, soils, surface geology, well locations, habitat, coal
 GEOGRAPHIC COVERAGE :Lease areas in a small part of San Juan County
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :7 1/2' topographic quadrangle
 DATA STORAGE FORMAT :Grid, polygon, coordinate point, tabular
 OUTPUT PRODUCTS :Maps (variable scale), graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Not known
 CONFIDENTIALITY :Coal seam and geophysical data are subject to restricted access

DOCUMENTATION :General information and newsletter available; also descriptions of hardware, software and data types
 USER FEES POLICY :Fees charged on a cost recovery basis (no policy established)
 DATE OF INFORMATION :8/5/83
 PAPER FILE NUMBER :NMS

DATA CATEGORY NAME :Wildlife -
 game mammals, game birds, populations, management, habitat, threatened species, endangered species, elk, deer, antelope, management units
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1:100,000-scale; management unit
 DATA STORAGE FORMAT :Grid, polygon, coordinate point, tabular
 OUTPUT PRODUCTS :Maps (variable scale; 1:24,000-scale), graphics, computer tape, modelling capability, statistical summaries, composite mapping, interactive video display capability

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CODE :NM003-01

STATE :NM
DATA BASE NAME :NM State Heritage Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of New Mexico and The Nature Conservancy, a nation nonprofit conservation organization.
AGENCY :NM Department of Game and Fish
RESPONDENT :Rey Wahl, Coordinator/Zoologist
NM State Heritage Program
NM Department of Game and Fish
Villagra Building
Santa Fe, NM 87503
Telephone: 505-827-5531
OTHER CONTACTS :Paul Knight, Botanist
:Fred Gross, Computer Programmer/Analyst
:Therese Ryan, Data Handler
:Lynn Martinez, Data Handler/Secretary
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :NM7

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NM003-01

CODE :NV001-01

STATE :NV
DATA BASE NAME :Status, Trends and Utilization of NV Wildlife
SUBJECT COVERAGE :Wildlife
GEOGRAPHIC COVERAGE :Statewide
AGENCY :NV Department of Wildlife
RESPONDENT :William Molini, Director
NV Department of Wildlife
1100 Valley Road
PO Box 10678
Reno, NV 89520
Telephone: 702-789-0500
OTHER CONTACTS :George Tsukamoto, Chief of Game
Telephone: 702-789-0500
Fred Dugger, Director, Dept. Data Processing
Telephone: 702-885-4091
Natalie Bellis, Programmer/Analyst
Telephone: 702-885-5829
Art Crosby, Computer Facility Manager
Telephone: 702-885-4300

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DOCUMENTATION :Information on data structure; and
Nevada Game Harvest Statistics 1982-83" NV Department
of Wildlife, Game Division
USER FEES POLICY :Fees are charged for all products and services according
to a fee schedule
DATE OF INFORMATION :10/25/83
PAPER FILE NUMBER :NVII

COMPUTER FACILITIES

COMPUTER(S) :IBM 370
Converting to by July 1984:
IBM 3083
RESIDENCE :Department of Data Processing
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (5), line printer (character graphics), hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
Game - mammals, birds, and fish; populations; management; harvest; hunter effort; success by species
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :County
MINIMUM RESOLUTION :Management area
DATA STORAGE FORMAT :Tabular, encoded by management area
OUTPUT PRODUCTS :Modelling capability, tables, graphics, statistical summaries, computer tape
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Annual
CLASSIFICATION :Internal
COMMENTS :Summary on paper provided to The Denver Research Library

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NV001-01

CODE :NY001-01

Information" for details; the classification includes 30 vegetative cover types, 28 land use types

STATE :NY
 DATA BASE NAME :Urban Wildlife Habitat Inventory
 SUBJECT COVERAGE :Wildlife, base data, demography
 GEOGRAPHIC COVERAGE :Urban/suburban areas in New York State
 STATUS :The Division of Fish and Wildlife is currently investigating a proposal to initiate a geographic information system which will include all of the data in this system as well as the Significant Habitats Inventory data base (NY002-01), Freshwater Wetlands Inventory data base (NY003-01) and Breeding Bird Atlas (NY004-01)
 AGENCY RESPONDENT :NYS Department of Environmental Conservation
 :Michael J. Matthews, Assistant Research Scientist
 :NYS Department of Environmental Conservation
 :Wildlife Resources Center
 :Game Farm Road
 :Delmar, NY 12054
 OTHER CONTACTS :Telephone: 518-439-0943
 :Sharon O'Connor, Research Associate
 :Telephone: 518-457-3431

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL
 :TRS-80 Model 12
 RESIDENCE :General Electric (HONEYWELL); in-house (TRS-80 Model 12)
 OPERATION :Interactive
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer, line printer, dot matrix printer with graphics, drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 :habitat, vegetative cover type, land use
 GEOGRAPHIC COVERAGE :Urban/suburban areas in New York State: New York City, Nassau County, western Suffolk County, southern Westchester County, Albany, Schenectady, Troy, Rome, Utica, Rochester, Buffalo, Syracuse, Binghamton
 GEOGRAPHIC REFERENCE :New York Transverse Mercator
 :Census tract
 MINIMUM RESOLUTION :1 acre usually; minimum mapping unit: census tract
 DATA STORAGE FORMAT :Coordinate point, tabular
 OUTPUT PRODUCTS :Maps (1" = 800'), tables, statistical summaries
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 CLASSIFICATION :Refer to "Urban Wildlife Inventory Map Overlay User

DATA CATEGORY NAME :Base data -
 :census tracts
 GEOGRAPHIC COVERAGE :Urban/suburban areas in New York State
 GEOGRAPHIC REFERENCE :New York Transverse Mercator
 :Census tract
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps (1" = 800')
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :One time only

DATA CATEGORY NAME :Demography -
 :populations, social aspects, economic aspects
 GEOGRAPHIC COVERAGE :Urban/suburban areas in New York State
 GEOGRAPHIC REFERENCE :New York Transverse Mercator
 OUTPUT PRODUCTS :Maps (1" = 800'), tables, statistical summaries
 DATA SOURCES :Secondary

DOCUMENTATION : "New York State's Urban Wildlife Habitat Inventory" (1980); "Wildlife Habitat Inventories: A Review of New York State's Procedures"; and "Urban Wildlife Habitat Inventory Map Overlay User Information"
 USER FERS POLICY :Products and services available at no charge, except for mylar copies of maps
 DATE OF INFORMATION :12/11/83
 PAPER FILE NUMBER :NY10

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NY001-01

CODE :NY002-01

STATE :NY
 DATA BASE NAME :Significant Habitats Inventory
 SUBJECT COVERAGE :Wildlife, vegetation
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This is an ongoing inventory (not systematic); data are collected and updated on a daily basis. The Division of Fish and Wildlife is currently investigating a proposal to initiate a geographic information system which will include all of the data from this data base, as well as the Urban Wildlife Habitat Inventory (Code: NY001-01), the Freshwater Wetlands Inventory data base (Code: NY003-01), and the Breeding Bird Atlas (Code: NY004-01).

AGENCY RESPONDENT :NYS Department of Environmental Conservation
 :John W. Ozard, Assistant Research Scientist
 NYS Department of Environmental Conservation
 Wildlife Resources Center
 Game Farm Road
 Delmar, NY 12054
 Telephone: 518-439-4165

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL
 :TRS-80 Model 12
 RESIDENCE :General Electric (HONEYWELL); in-house (TRS-80
 Model 12)
 OPERATION :Interactive
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,
 line printer, dot matrix printer with graphics,
 drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 :mammals, birds, fish, marine/estuarial, reptiles,
 :amphibians, game, non-game, habitat, threatened
 :species, endangered species, significant habitats,
 :major urban wildlife habitats
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :New York Transverse Mercator
 MINIMUM RESOLUTION :Site specific; by township; by county
 DATA STORAGE FORMAT :Coordinate point (centroid of area is stored in the
 :system with an associated acreage estimate)
 OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, sta-
 :tistical summaries
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY
 CONFIDENTIALITY

CLASSIFICATION

DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Vegetation -
 :species, communities, rare and endangered, significant
 :habitats
 GEOGRAPHIC REFERENCE :Statewide
 MINIMUM RESOLUTION :New York Transverse Mercator
 DATA STORAGE FORMAT :Site specific; by township; by county
 OUTPUT PRODUCTS :Coordinate point
 DATA SOURCES :Maps (variable scale), tables, statistical summaries
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Moderate
 CONFIDENTIALITY :Continuously

CLASSIFICATION
 COMMENTS

DOCUMENTATION

USER FEES POLICY :Products and services available at no charge, except for
 :mylar copies of maps

DATE OF INFORMATION :8/11/83
 PAPER FILE NUMBER :NY11-1

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NY002-01

STATE :NY
 DATA BASE NAME :Freshwater Wetlands Inventory
 SUBJECT COVERAGE :Wetlands
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This inventory provides a basis for regulatory maps and for a preliminary regulatory classification of wetlands. The Division of Fish and Wildlife is currently investigating a proposal to initiate a geographic information system which will include all of the data from this system, as well as from the Urban Wildlife Habitat Inventory data base (Code: NY001-01), the Significant Habitats Inventory (Code: NY002-01), and the Breeding Bird Atlas (Code: NY004-01).
 AGENCY RESPONDENT :NY Department of Environmental Conservation
 :Sharon O'Connor, Research Support Specialist
 NY Department of Environmental Conservation
 Habitat Inventory Unit, Room 532
 50 Wolf Road
 Albany, NY 12233-0001
 Telephone: 518-457-3431

CODE :NY003-01

DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Unknown
 UPDATE FREQUENCY :Unknown at this time; 1968 aerial photography used for this inventory
 CLASSIFICATION :Refer to "Freshwater Wetlands Inventory Technical Manual" for details

DOCUMENTATION :Technical manual available
 USER FEES POLICY :Products and services available at no charge, except for mylar copies of maps
 DATE OF INFORMATION :8/11/83
 PAPER FILE NUMBER :NY12-1

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL
 :TRS-80 Model 12
 RESIDENCE :General Electric (HONEYWELL); in-house (TRS-80 Model 12)
 OPERATION :Interactive
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer, line printer, dot matrix printer with graphics, drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wetlands - wildlife habitat, vegetation cover type, areas, perimeter, shape index, compass index, amount of contact between wet/dry land, human influences, special characteristics
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :New York Transverse Mercator
 :County
 :Town
 :Village
 MINIMUM RESOLUTION :1/2 acre
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables; maps can be manually reproduced on diazo sheets

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CODE :NY004-01

STATE :NY
DATA BASE NAME :Breeding Bird Atlas
SUBJECT COVERAGE :Birds
GEOGRAPHIC COVERAGE :Statewide
STATUS :The Division of Fish and Wildlife is currently investigating a proposal to initiate a geographic information system which will include all of the data in this system, as well as the Urban Wildlife Habitat Inventory data base (Code: NY001-01), Significant Habitats Inventory data base (Code: NY002-01), and the Freshwater Wetlands Inventory data base (Code: NY003-01).
AGENCY RESPONDENT :NY Department of Environmental Conservation
:Janet Carroll, Environmental Education Assistant
NY Department of Environmental Conservation
50 Wolf Road
Albany, NY 12233-0001
Telephone: 518-439-7486
OTHER CONTACTS :Vince Grilli, Programmer
Telephone: 518-457-9194
:Bart Guetti, Research Associate
Telephone: 518-457-3431

COMPUTER FACILITIES

COMPUTER(S) :HONEYWELL
RESIDENCE :Use central government computer center
OPERATION :Batch
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,
lino printer, dot matrix printer with graphics,
drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
game birds, non-game birds
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :New York Transverse Mercator
MINIMUM RESOLUTION :15 km x 5 km (contiguous survey areas)
DATA STORAGE FORMAT :Coordinate point, tabular
OUTPUT PRODUCTS :Maps (variable scale), tables, composite mapping
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Five-year project (1980-1984); update frequency unknown at this time
CONFIDENTIALITY :Data are the property of the Federation of New York State Bird Clubs; use is restricted until published

DOCUMENTATION :"New York State Breeding Bird Atlas: Handbook for Workers"
(1981)
DATE OF INFORMATION :8/11/83
PAPER FILE NUMBER :NY13

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NY004-01

CODE :NY005-01

STATE :NY
DATA BASE NAME :NYS Adirondack Park Agency Data Base
SUBJECT COVERAGE :Land use, land cover, transportation, unique areas, demography, soils

GEOGRAPHIC COVERAGE :Adirondack Park
AGENCY :NYS Adirondack Park Agency
RESPONDENT :Raymond P. Curran, Supervisor, Natural Resource Analysis
 NYS Adirondack Park Agency
 PO Box 99
 Ray Brook, NY 12977
 Telephone: 518-891-4050

OTHER CONTACTS :Vincent J. Moore, Executive Director
 John S. Banta, Director of Planning

COMPUTER FACILITIES

COMPUTER(S)	:ERDAS 400
RESIDENCE	:In-house
OPERATION	:Interactive
GIS CAPABILITY	:Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM	:CP/M
SYSTEM CAPACITY	:Main memory: 64 KB Disc storage: 96 MB Simultaneous users supported: 1
LANGUAGE(S)	:FORTRAN
SPECIALIZED SOFTWARE	:ERDAS DBASE II MULTIPLAN DGRAPH
PERIPHERAL DEVICES	:Color image display, line following digitizer, dot matrix printer with graphics

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Land use - timber, mineral extraction/energy production, live-stock production, urban/built-up, recreation, parks, ownership
GEOGRAPHIC COVERAGE	:Adirondack Park (Northeastern NYS)
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:1 acre
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps - variable scale, statistical summaries, composite mapping, interactive video display capability
DATA SOURCES	:Primary
LEVEL OF RELIABILITY	:Moderate
UPDATE FREQUENCY	:Monthly, last update: 1983

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DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Land use areas - zoning districts determined by state legislature for state owned and privately owned lands of the Park
GEOGRAPHIC REFERENCE :Adirondack Park (Northeastern NYS)
MINIMUM RESOLUTION :Universal Transverse Mercator
DATA STORAGE FORMAT :1 acre
OUTPUT PRODUCTS :Grid
DATA SOURCES :Maps - variable scale, statistical summaries, composite mapping, interactive video display capability
LEVEL OF RELIABILITY :Primary
UPDATE FREQUENCY :Moderate
DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Land cover - barren land, forest land, water, urban/built-up
GEOGRAPHIC REFERENCE :Adirondack Park (Northeastern NYS)
MINIMUM RESOLUTION :Universal Transverse Mercator
DATA STORAGE FORMAT :1 acre
OUTPUT PRODUCTS :Grid
DATA SOURCES :Maps - variable scale, graphics, statistical summaries, composite mapping, interactive video display, computer tape
LEVEL OF RELIABILITY :Primary
UPDATE FREQUENCY :Every 5 years, last update: 1978

DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Transportation - State roads, federal, county, town
GEOGRAPHIC REFERENCE :Adirondack Park (Northeastern NYS)
MINIMUM RESOLUTION :Universal Transverse Mercator
DATA STORAGE FORMAT :1 acre
OUTPUT PRODUCTS :Grid
DATA SOURCES :Maps - variable scale, statistical summaries, composite mapping, interactive video display capability
LEVEL OF RELIABILITY :Secondary
UPDATE FREQUENCY :High
DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Unique areas - unique natural areas, historic sites
GEOGRAPHIC REFERENCE :Adirondack Park (Northeastern NYS)
MINIMUM RESOLUTION :Universal Transverse Mercator
DATA STORAGE FORMAT :1 acre
OUTPUT PRODUCTS :Grid
DATA SOURCES :Maps - variable scale, statistical summaries, composite mapping, interactive video display capability
LEVEL OF RELIABILITY :Primary
UPDATE FREQUENCY :High

UPDATE FREQUENCY :Biennially, last update: 1982
CONFIDENTIALITY :Rare and endangered species are subject to restricted access
COMMENTS :Data may be incomplete

DATA CATEGORY NAME :Demography - populations, economic aspects
GEOGRAPHIC COVERAGE :Adirondack Park (Northeastern NYS)
GEOGRAPHIC REFERENCE :Municipality
MINIMUM RESOLUTION :County, township
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, statistical summaries
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Every 10 years, last update: 1980

DATA CATEGORY NAME :Soils data - association, meso-soils
GEOGRAPHIC COVERAGE :Essex and Clinton Counties within Adirondack Park
GEOGRAPHIC REFERENCE :Universal Transverse Mercator
MINIMUM RESOLUTION :1 acre
DATA STORAGE FORMAT :Grid
OUTPUT PRODUCTS :Maps - variable scale, statistical summaries, composite mapping, interactive video display capability
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :As new information is available, last update: 1983
CLASSIFICATION :SCS - USDA

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USER FCES POLICY :No policy established
DATE OF INFORMATION :12/14/83
PAPER FILE NUMBER :NY9

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CODE :OH001-01

STATE :OH
DATA BASE NAME :OH Capability Analysis Program
DATA BASE ACRONYM :OCAP
SUBJECT COVERAGE :Soils data, land cover/land use, base data, groundwater, geology, mining, agricultural lands, natural areas, cultural resources, hazards, flood areas, wildlife and environmental quality
GEOGRAPHIC COVERAGE :Thirty-seven counties; coastal zone management areas; special project areas
STATUS :OCAP is a natural resource information system developed by the Ohio Department of Natural Resources to analyze land and water resources and determine their potential for supporting alternative land uses. OCAP is being used in conjunction with the Ohio Lake Erie Coastal Zone Management Program, 208 Areawide Water Quality Planning, a cooperative project with NASA for Landsat land use inventory, and in 50/50 cost sharing agreements with counties in Ohio. Projects are completed on a county or special project area basis; subject coverage varies depending on the county
AGENCY RESPONDENT :Ohio Department of Natural Resources
:Terry L. Wells, Community Services Planner
OH Capability Analysis Program
Division of Soil and Water Conservation
Ohio Department of Natural Resources
Fountain Square, Building E
Columbus, OH 43224
Telephone: 614-265-6777
OTHER CONTACTS :Wayne E. Channell, Administrator
Telephone: 614-265-6778
COMPUTER FACILITIES
COMPUTER(S) :IBM 370
RESIDENCE :Ohio Department of Administrative Services, Division of Computer & Information System
OPERATION :Batch
GIS CAPABILITY :Yes
IN-HOUSE FACILITIES
LANGUAGE(S) :PL/I
PERIPHERAL DEVICES :Mechanical digitizers (3), line printer, alphanumeric CRTs (3)
DESCRIPTION OF DATA CATEGORIES
DATA CATEGORY NAME :Soils data - type, engineering properties, limitations, detailed soils, erosion potential, septic tank limitation, sanitary landfill analysis, soil loss, soil loss potential,

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GEOGRAPHIC COVERAGE :Thirty-four full counties and portions of two others (Allen, Ashland, Ashtabula, Belmont, Champaign, Clark, Clinton, Cuyahoga, Darke, Defiance, Delaware, Franklin, western half of Geauga, Green, Hancock,湖州, Logan, Lorain, Madison, Mahoning, Medina, Miami, Montgomery, Ottawa, Pickaway, Portage, Preble, Ross, Stark, Summit, southern third of Trumbull, Union, Van Wert, Washington and Wyandot counties
:USGS Quadrangle
:1 acre
:Line segment (i.e. row distance)
:Maps (variable scale), modelling capability, statistical summaries, composite mapping
:Primary and secondary
:High
:On request basis (under contract)
:National standards for soil surveys
:Data variables differ from county to county

DATA CATEGORY NAME :Land use/land cover - barren land, forest land, rangeland, water, wetlands, estuaries, cropland, pasture, urban/built-up, mineral extraction/energy production, livestock production, transportation, recreation, parks, agriculture, industrial development, large scale development
GEOGRAPHIC COVERAGE :Thirty-six counties, coastal zone areas in four other counties (Allen, Ashtabula, Belmont, Butler, Champaign, Clark, Clermont, Clinton, Cuyahoga, Darke, Defiance, Delaware, Franklin, Geauga, Hamilton, Lake, Logan, Lorain, Mahoning, Medina, Mercer, Miami, Montgomery, Ottawa, Paulding, Pickaway, Portage, Preble, Ross, Shelby, Summit, Trumbull, Union, Van Wert, Washington and Williams counties; coastal zone portions of Erie, Lucas, Sandusky and Wood counties
:USGS Quadrangle
:Site specific; 1 acre
:Line segment (i.e. row distance)
:Maps (variable scale; USGS 7 1/2' base), tables, computer tape, statistical summaries (original data)
:Primary and secondary
:High
:Upon request and agreement to cost share from county
:Ohio Land Use Classification System (extension of the Anderson system)
:Data variables differ from county to county

OH001-01

DATA CATEGORY NAME :Ownership
 GEOGRAPHIC COVERAGE :Same as for 'land use/land cover' (see above)
 GEOGRAPHIC REFERENCE :USGS Quadrangle
 MINIMUM RESOLUTION :1 acre
 DATA STORAGE FORMAT :Line segment (i.e. row distance)
 OUTPUT PRODUCTS :Maps (variable scale), tables, computer tape, statistical summaries

DATA CATEGORY NAME :Base data -
 GEOGRAPHIC COVERAGE :census tracts, watershed boundaries, water basin boundaries, zoning, political boundaries, sewer service areas, sewer districts, water service areas, traffic zones, townships, municipalities, school districts, neighborhoods, proximity to public water supply, sewage treatment plant sites, rural areas, ditch boundaries, radius from airport terminals, radius from highways, radius from railroads, transportation corridors
 :Ashtabula, Belmont, Champaign, Clark, Clinton, Cuyahoga, Darke, Defiance, Delaware, Franklin, Geauga, Greene, Lake, Logan, Lorain, Madison, Mahoning, Medina, Miami, Montgomery, Ottawa, Pickaway, Portage, Preble, Ross, Stark, Summit, Trumbull, Union and Van Wert counties; coastal zone management areas (portions of Ashtabula, Cuyahoga, Erie, Lake, Lorain, Lucas, Wood, Ottawa and Sandusky counties)
 MINIMUM RESOLUTION :1 acre
 DATA SOURCES :Maps (variable scale), modelling capability, statistical summaries, composite mapping
 UPDATE FREQUENCY :Primary and secondary
 COMMENTS :Varies
 :Data variables differ from county to county

DATA CATEGORY NAME :Groundwater hydrology -
 GEOGRAPHIC COVERAGE :quantity, availability, resources, depth to groundwater, aquifer recharge areas
 :Twenty-three counties (Ashtabula, Clarke, Cuyahoga, Darke, Defiance, Delaware, Franklin, Geauga, Greene, Lake, Madison, Mahoning, Medina, Miami, Montgomery, Pickaway, Preble, Portage, Ross, Stark, Summit, Trumbull and Van Wert counties)
 :Maps (variable scale), modelling capability, statistical summaries, composite mapping
 OUTPUT PRODUCTS :Primary
 DATA SOURCES :Moderate
 LEVEL OF RELIABILITY :Data variables differ from county to county

DATA CATEGORY NAME :Geology -
 GEOGRAPHIC COVERAGE :surficial geology, bedrock geology, geologic units, geo-

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GEOGRAPHIC COVERAGE :logic suitability for solid waste disposal, drift thickness, glacial geology, depth to bedrock, geologic limits for large scale development, geologic limits for sanitary landfills, sand and gravel, surficial material, soil parent material
 :Belmont, Clark, Clinton, Darke, Defiance, Delaware, Franklin, Greene, Madison, Mahoning, Miami, Montgomery, Pickaway, Portage, Preble, Ross, Stark, Summit, Trumbull and Van Wert counties
 :Maps (variable scale), modelling capability, statistical summaries, composite mapping
 :Primary and secondary
 :Moderate
 :Data variables differ from county to county

DATA CATEGORY NAME :Agricultural lands -
 GEOGRAPHIC COVERAGE :prime agricultural land, important farmlands, estimated soil loss, unique agricultural land, limitation on agricultural row crops, agricultural capability class, current agricultural use value
 :Belmont, Champaign, Clark, Clinton, Defiance, Logan, Medina, Ottawa, Pickaway, Portage, Ross, Union and Van Wert counties
 :Line segment (i.e. row distance)
 :Maps (variable scale), tables, computer tape, statistical summaries
 :Data variables differ from county to county

DATA CATEGORY NAME :Natural areas -
 GEOGRAPHIC COVERAGE :critical areas, natural heritage data
 :Clark, Clinton, Darke, Defiance, Delaware, Greene, Madison, Mahoning, Miami, Montgomery, Ottawa, Pickaway, Portage, Preble, Ross, Summit, Trumbull and Van Wert counties
 :Data variables differ from county to county

DATA CATEGORY NAME :Mining -
 GEOGRAPHIC COVERAGE :minelands, abandoned underground mines, mined/unmined, coal reserves, coal lost to mining
 :Belmont and Stark counties

DATA CATEGORY NAME :Cultural resources -
 GEOGRAPHIC COVERAGE :natural sites, archaeological sites, historical sites
 :Cuyahoga Valley National Recreation Area; Darke, Greene, Miami, Montgomery, Preble and Ross counties
 :Data variables differ from county to county

CODE :OH001-01
(con'd)

CODE :OH002-01

DATA CATEGORY NAME :Flood areas -
flood hazard areas, flooding, flood prone areas, flooding potential
GEOGRAPHIC COVERAGE :Belmont, Champaign, Clark, Cuyahoga, Darke, Defiance, Delaware, Franklin, Geauga, Greene, Lake, Logan, Lorain, Madison, Mahoning, Medina, Miami, Montgomery, Ottawa, Pickaway, Portage, Preble, Ross, Summit, Trumbull and Van Wert counties
COMMENTS :Data variables differ from county to county

DATA CATEGORY NAME :Hazards -
bird hazards to air traffic
GEOGRAPHIC COVERAGE :Cuyahoga County

DATA CATEGORY NAME :Wildlife -
endangered species habitat, wildlife habitat
GEOGRAPHIC COVERAGE :Cuyahoga, Darke, Greene, Miami, Montgomery, Pickaway and Preble counties
COMMENTS :Data variables differ from county to county

DATA CATEGORY NAME :Environmental quality -
airport noise areas, water quality planning area
GEOGRAPHIC COVERAGE :Cuyahoga, Darke, Greene, Miami, Montgomery and Preble counties
COMMENTS :Data variables differ from county to county

DOCUMENTATION :"Land Capability Analysis in Ohio" (brochure); "Procedures and Software of the Ohio Capability Analysis Program" (March 1980); "Ohio Land Use Land Cover Classification System"
USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :8/29/83
PAPER FILE NUMBER :OH4

STATE :OH
DATA BASE NAME :OH Natural Heritage Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Ohio and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY RESPONDENT :OH Department of Natural Resources
:Bob McCance, Coordinator
OH Natural Heritage Program
OH Department of Natural Resources
Division of Natural Areas and Preservation
Fountain Square, Building F
Columbus, OH 43224
Telephone: 614-265-6453
OTHER CONTACTS :Allison Cusick, Botanist
:Dan Rice, Zoologist
Dennis Anderson, Res. Coordinator
:Pat Jones, Environmental Data Supervisor
:Reed Noss, Ecologist
:Anne Filbert, Data Specialist
:David Spooner, Field Botanist
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES
COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :OH6

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OH001-01
(cont.)
OH002-01

		CODE :OK001-01	CLASSIFICATION																				
STATE	:OK	COMMENTS	:Product codes are: oil, condensate, reclaimed oil, casinghead gas, natural gas, liquid gas, minerals :To date, no minerals have been reported.																				
DATA BASE NAME	:Well Unit Master File	=====																					
SUBJECT COVERAGE	:Oil and gas																						
GEOGRAPHIC COVERAGE	:Statewide																						
STATUS	<p>:This data base is also known as the Gross Production Central Master (GPCM). Information contained within the file is derived from the Department's Form 320. The Well Unit Master File interacts with the Detail File (Code: OK001-03) and the Claims and Overpayments File (Code: OK001-05). Legal descriptions of all leases are automatically routed to the Lease Legal Description File (Code: OK001-02).</p>																						
AGENCY RESPONDENT	<p>:OK Tax Commission :Donald Fripk, User Systems Analyst :OK Tax Commission :Gross Production Division :M.C. Connors Building :2501 N. Lincoln Boulevard :Oklahoma City, OK 73104 :Telephone: 405-521-4570</p>																						
<p><u>COMPUTER FACILITIES</u></p> <table border="0"> <tr> <td>COMPUTER(S)</td> <td>:IBM 3081D :IBM 8100</td> </tr> <tr> <td>RESIDENCE</td> <td>:In-house (Management of Information Services)</td> </tr> <tr> <td>OPERATION</td> <td>:Batch and Interactive</td> </tr> <tr> <td>GIS CAPABILITY</td> <td>:No</td> </tr> </table>						COMPUTER(S)	:IBM 3081D :IBM 8100	RESIDENCE	:In-house (Management of Information Services)	OPERATION	:Batch and Interactive	GIS CAPABILITY	:No										
COMPUTER(S)	:IBM 3081D :IBM 8100																						
RESIDENCE	:In-house (Management of Information Services)																						
OPERATION	:Batch and Interactive																						
GIS CAPABILITY	:No																						
<p><u>IN-HOUSE FACILITIES</u></p> <table border="0"> <tr> <td>PERIPHERAL DEVICES</td> <td>:Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)</td> </tr> </table>						PERIPHERAL DEVICES	:Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)																
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<p><u>DESCRIPTION OF DATA CATEGORIES</u></p> <table border="0"> <tr> <td>DATA CATEGORY NAME</td> <td>:Wells - :Form 320 data: lease, legal description, producer, formations, purchaser, products, soil, date of purchase (start date), date of purchase (stop date), oil, natural gas, condensate, casinghead gas, oil well, gas well, liquid gas, minerals extracted</td> </tr> <tr> <td>GEOGRAPHIC COVERAGE</td> <td>:Statewide</td> </tr> <tr> <td>GEOGRAPHIC REFERENCE</td> <td>:Public Land Survey</td> </tr> <tr> <td>MINIMUM RESOLUTION</td> <td>:5 acres</td> </tr> <tr> <td>DATA STORAGE FORMAT</td> <td>:Tabular</td> </tr> <tr> <td>OUTPUT PRODUCTS</td> <td>:Computer printouts, reports</td> </tr> <tr> <td>DATA SOURCES</td> <td>:Primary</td> </tr> <tr> <td>UPDATE FREQUENCY</td> <td>:Continuously</td> </tr> <tr> <td>CONFIDENTIALITY</td> <td>:Data on volume, value and other variables subject to restricted access</td> </tr> </table>						DATA CATEGORY NAME	:Wells - :Form 320 data: lease, legal description, producer, formations, purchaser, products, soil, date of purchase (start date), date of purchase (stop date), oil, natural gas, condensate, casinghead gas, oil well, gas well, liquid gas, minerals extracted	GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC REFERENCE	:Public Land Survey	MINIMUM RESOLUTION	:5 acres	DATA STORAGE FORMAT	:Tabular	OUTPUT PRODUCTS	:Computer printouts, reports	DATA SOURCES	:Primary	UPDATE FREQUENCY	:Continuously	CONFIDENTIALITY	:Data on volume, value and other variables subject to restricted access
DATA CATEGORY NAME	:Wells - :Form 320 data: lease, legal description, producer, formations, purchaser, products, soil, date of purchase (start date), date of purchase (stop date), oil, natural gas, condensate, casinghead gas, oil well, gas well, liquid gas, minerals extracted																						
GEOGRAPHIC COVERAGE	:Statewide																						
GEOGRAPHIC REFERENCE	:Public Land Survey																						
MINIMUM RESOLUTION	:5 acres																						
DATA STORAGE FORMAT	:Tabular																						
OUTPUT PRODUCTS	:Computer printouts, reports																						
DATA SOURCES	:Primary																						
UPDATE FREQUENCY	:Continuously																						
CONFIDENTIALITY	:Data on volume, value and other variables subject to restricted access																						

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CODE :OK001-02

CODE :OK001-03

STATE :OK
 DATA BASE NAME :Lease Legal Description File
 SUBJECT COVERAGE :Oil and gas
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This data base is also known as the Gross Production Lease Information (GPLI) file. It is a subsystem of the Well Unit Master File (Code: OK001-01), and interacts with the Detail File (Code: OK001-03) and the Claims and Overpayments File (Code: OK001-05).
 AGENCY RESPONDENT :OK Tax Commission
 :Donald Frip, User Systems Analyst
 OK Tax Commission
 Gross Production Division
 N.C. Connors Building
 2501 N. Lincoln Boulevard
 Oklahoma City, OK 73104
 Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D
 IBM 8100
 RESIDENCE :In-house (Management of Information Services)
 OPERATION :Batch and interactive
 GIS CAPABILITY :No
 IN-HOUSE FACILITIES
 PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas leases - legal descriptions
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :5 acres
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts, reports
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Weekly
 COMMENTS :This file is updated automatically through the system itself, based on information entered into the Well Unit Master File (refer to Code OK001-01)

=====

DOCUMENTATION :User Instructions (for in-house use only)
 DATE OF INFORMATION :9/13/83
 PAPER FILE NUMBER :OK13-2

STATE :OK
 DATA BASE NAME :Detail File
 SUBJECT COVERAGE :Oil and gas
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Information contained within this file is derived from the Department's Form 300R (monthly report) and Form 323R (for reclaims). The Detail File contains Purchaser Reports for oil and gas, and interacts with the Balance File (Code: OK001-07).
 AGENCY RESPONDENT :OK Tax Commission
 :Donald Frip, User Systems Analyst
 OK Tax Commission
 Gross Production Division
 N.C. Connors Building
 2501 N. Lincoln Boulevard
 Oklahoma City, OK 73104
 Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D
 IBM 8100
 RESIDENCE :In-house (Management of Information Services)
 OPERATION :Batch and interactive
 GIS CAPABILITY :No
 IN-HOUSE FACILITIES
 PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas - company, federal employment identification, company number, product code, month of production, page number, contract number, 13-digit lease number, other part involved (producer/purchaser), gross volume, gross value, transport (pipe/truck), NCPA rate (if gas), BTU, gravity (oil), sulfur content (oil), etc.
 GEOGRAPHIC COVERAGE :Statewide
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts, reports
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Daily
 CONFIDENTIALITY :Data on volume, value and other variables subject to restricted access

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DOCUMENTATION :User Instructions (for in-house use only)
 DATE OF INFORMATION :9/13/83
 PAPER FILE NUMBER :OK13-3

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OK001-02
 OK001-03

CODE :OK001-04

STATE :OK
 DATA BASE NAME :Detailed Payment File
 SUBJECT COVERAGE :Oil and gas
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :The Detailed Payment File maintains records of taxes received from purchasers of oil and gas. This file interacts with the Balance File (Code: OK001-07).
 AGENCY RESPONDENT :OK Tax Commission
 :Donald Frip, User Systems Analyst
 :OK Tax Commission
 :Gross Production Division
 :M.C. Connors Building
 :2501 N. Lincoln Boulevard
 :Oklahoma City, OK 73104
 :Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D
 :IBM 8100
 RESIDENCE :In-house (Management of Information Services)
 OPERATION :Batch and interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -
 :tax revenues, receipt number, tax code type
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts, reports
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 CONFIDENTIALITY :Data on volume, value and other variables subject to restricted access
 COMMENTS :An on-line program creates records regarding tax types for apportionment purposes.

=====

DOCUMENTATION :User instructions (in-house use only)
 DATE OF INFORMATION :9/13/83
 PAPER FILE NUMBER :OK13-4

CODE :OK001-05

STATE :OK
 DATA BASE NAME :Claims and Overpayments File
 SUBJECT COVERAGE :Oil and gas tax revenues
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This file contains amended tax reports for taxes received on oil and gas. The Claims and Overpayment File interacts with the Balance File (Code: OK001-07).
 AGENCY RESPONDENT :OK Tax Commission
 :Donald Frip, User Systems Analyst
 :OK Tax Commission
 :Gross Production Division
 :M.C. Connors Building
 :2501 N. Lincoln Boulevard
 :Oklahoma City, OK 73104
 :Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D
 :IBM 8100
 RESIDENCE :In-house (Management of Information Services)
 OPERATION :Batch and interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -
 :taxes, company number, product code, month of production, auditor status, credit number, name
 GEOGRAPHIC COVERAGE :Statewide
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts, reports
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Daily
 CONFIDENTIALITY :Data on volume, value and other variables subject to restricted access

=====

DOCUMENTATION :User instructions (for in-house use only)
 DATE OF INFORMATION :9/13/83
 PAPER FILE NUMBER :OK13-5

OK001-04
OK001-05

STATE :OK
 DATA BASE NAME :Delinquent Payments File
 SUBJECT COVERAGE :Oil and gas tax revenues
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This data file contains penalty and interest information regarding delinquent oil and gas tax payments. The Delinquent Payments File interacts with the Balance File (Code: OK001-07).
 AGENCY RESPONDENT :OK Tax Commission
 :Donald Frip, User Systems Analyst
 OK Tax Commission
 Gross Production Division
 M.C. Connors Building
 2501 N. Lincoln Boulevard
 Oklahoma City, OK 73104
 Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D
 :IBM 8100
 RESIDENCE :In-house (Management of Information Services
 OPERATION :Batch and interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -
 :taxes, delinquent payments, penalty, interest
 GEOGRAPHIC COVERAGE :Statewide
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts, reports
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 CONFIDENTIALITY :Subject to restricted access

=====

DOCUMENTATION :User instructions (for in-house use only)
 DATE OF INFORMATION :9/13/83
 PAPER FILE NUMBER :OK13-6

STATE :OK
 DATA BASE NAME :Balance File
 SUBJECT COVERAGE :Oil and gas tax revenues
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This data file creates records on overpayment and underpayment of taxes on oil and gas. The Balance File interacts with the Detail File (Code: OK001-03), Detailed Payment File (Code: OK001-04), Claims and Overpayments File (Code: OK001-05), and Delinquent Payments File (Code: OK001-06).
 AGENCY RESPONDENT :OK Tax Commission
 :Donald Frip, User Systems Analyst
 OK Tax Commission
 Gross Production Division
 M.C. Connors Building
 2501 N. Lincoln Building
 Oklahoma City, OK 73104
 Telephone: 405-521-4570

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D
 :IBM 8100
 RESIDENCE :In-house (Management of Information Services
 OPERATION :Batch
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRTs (32), IBM 8100 work stations/line printers (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -
 :tax revenues, apportionment estimated record, gross production
 GEOGRAPHIC COVERAGE :Statewide
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printouts, reports
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Monthly
 CONFIDENTIALITY :Subject to restricted access

=====

DOCUMENTATION :User instructions (for in-house use only)
 DATE OF INFORMATION :9/13/83
 PAPER FILE NUMBER :OK13-7

CODE :OK002-01

STATE :OK
 DATA BASE NAME :OK Geographic Information Retrieval System
 DATA BASE ACRONYM :OGINS
 SUBJECT COVERAGE :Geology, land cover, soils, topography, climate and weather data
 GEOGRAPHIC COVERAGE STATUS :Varies from statewide to demonstration project areas
 :OGINS is a highly interactive data entry, storage, manipulation, and display software system for use with geographically referenced data. Although originally developed for a project concerned with coal strip mine reclamation, OGINS is capable of handling any geographically referenced data for a variety of natural resource management applications. A special effort has been made to integrate remotely sensed data into the information system.
 AGENCY RESPONDENT :Center for Applications of Remote Sensing -
 :W. Anthony Blanchard, Research Associate
 Center for Applications of Remote Sensing (CARS)
 111 Thatcher Hall
 Oklahoma State University
 Stillwater, OK 74078
 Telephone: 405-624-5178
 OTHER CONTACTS :Dr. Stephen J. Walsh, Associate Professor
 Telephone: 405-624-6250

COMPUTER FACILITIES

COMPUTER(S) :PERKIN-ELMER 8/32
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :PERKIN-ELMER OS32
 SYSTEM CAPACITY :Main memory: 500,000
 Disc storage: 1.2 Billion
 Simultaneous users supported: 4
 LANGUAGE(S) :FORTRAN
 :Assembler
 SPECIALIZED SOFTWARE :ELAS
 :OGINS
 :WIPS (Weather Image Processing System)
 :VERSATEC Plot Package
 PERIPHERAL DEVICES :Color image display, mechanical digitizer, line printer (character graphics), dot matrix printer with graphics, electrostatic plotter, hard copy terminal, alphanumeric CRT's (3)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -

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GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 :Ad hoc grid
 :Nectare, 1 kilometer and 8 kilometer cells
 :Grid
 :Maps - variable scale, tables modelling capability, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape
 :Secondary
 :Moderate
 :No regular update
 :Data collected by the OK Geological Survey

DATA CATEGORY NAME :Land cover -
 :barren land, forest land, rangeland, water, wetlands, cropland, pasture, urban/built-up
 GEOGRAPHIC COVERAGE :Statewide, especially the Stillwater Creek Watershed and the Little Washita area
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1 kilometer, 10 acres
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps - variable scale, modelling capability, tables, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :No regular update
 CLASSIFICATION :Anderson Level I and II
 COMMENTS :Data from Landsat and other remote sensing data

DATA CATEGORY NAME :Soils data -
 :Type, series, erosion, shrink/swell potential, soils subject to flooding, soil permeability, hydrologic soil group, soil erodability
 GEOGRAPHIC COVERAGE :Statewide, especially the Little Washita area
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :Ad hoc grid
 DATA STORAGE FORMAT :1 kilometer and 8 kilometers, 10 acres
 OUTPUT PRODUCTS :Grid
 DATA SOURCES :Maps - variable scale, modelling capability, tables, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :Moderate
 COMMENTS :No regular update
 :Data collected by USDA Soil Conservation Service and OK Agricultural Experiment Station

OK002-01

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OK002-01
(cont.)

DATA CATEGORY NAME	:Topography - elevation, slope angle, aspect	DOCUMENTATION	:General information: Blanchard, W. Anthony. "The Oklahoma Geographic Information Retrieval System", in Proceedings of the National Energy Resources Management Conference, NASA Conference Publication 2261, Vol. 1, pp. 239 - 249, 1982.
GEOGRAPHIC COVERAGE	:Statewide		
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator		
MINIMUM RESOLUTION	:Hectare, 1 kilometer and 8 kilometers, 10,000 square meters (UTM cell)		
DATA STORAGE FORMAT	:Grid		
OUTPUT PRODUCTS	:Maps - variable scale, modelling capability, tables, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape		
DATA SOURCES	:Secondary		
LEVEL OF RELIABILITY	:Moderate		
UPDATE FREQUENCY	:No regular update		
COMMENTS	:Data collected by National Cartographic Information Center		
DATA CATEGORY NAME	:Climate/weather - rainfall, evapotranspiration, temperature, mean annual precipitation, mean January temperature, mean July temperature, mean length of frost-free season	USER FEES POLICY	:Fees charged for all products and services according to a fee schedule
GEOGRAPHIC COVERAGE	:Statewide, especially the Little Washita area	DATE OF INFORMATION	:9/20/83
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	PAPER FILE NUMBER	:OK3
MINIMUM RESOLUTION	:Ad hoc grid		
DATA STORAGE FORMAT	:1 kilometer and 8 kilometers, 10 acres		
OUTPUT PRODUCTS	:Grid		
DATA SOURCES	:Maps - variable scale, modelling capability, tables, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape		
LEVEL OF RELIABILITY	:Secondary		
UPDATE FREQUENCY	:Moderate		
COMMENTS	:Daily, annually		
DATA CATEGORY NAME	:Demography - populations, social aspects, economic aspects		
GEOGRAPHIC COVERAGE	:Seminole County		
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator		
MINIMUM RESOLUTION	:10 acres		
DATA STORAGE FORMAT	:Grid		
OUTPUT PRODUCTS	:Maps - variable scale, modelling capability, tables, statistical summaries, composite mapping, interactive video display capability, color photos, computer tape		
DATA SOURCES	:Secondary		
LEVEL OF RELIABILITY	:Moderate		
UPDATE FREQUENCY	:Source data: every 10 years		
COMMENTS	:Data collected by the US Census		

CODE :OK003-01

STATE :OK
 DATA BASE NAME :OK Water Use Data System
 SUBJECT COVERAGE :Groundwater, surface water
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Expected date of automation of Water Well Logs: 7/84
 AGENCY :OK Water Resources Board
 RESPONDENT :Jim Schuelein, Chief
 Administration Division
 OK Water Resources Board
 1000 N.E. 10th Street
 P.O. Box 53585
 Oklahoma City, OK 73152
 Telephone: 405-271-2521
 OTHER CONTACTS :James R. Barnett, Executive Director
 Telephone: 405-271-2555
 :Jann P. Hook, Programmer Analyst Supervisor
 Telephone: 405-271-2585

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081D
 RESIDENCE :Oklahoma State University
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Dot matrix printer with graphics, alphanumeric
 CRTs (6)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
 water rights, stream water use, permits
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :By county
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Statistical summaries, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuously
 COMMENTS :Data also supplied to the USGS/National Water Use Data System

DATA CATEGORY NAME :Groundwater -
 well location, water rights, water use, permits
 GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :By county
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Statistical summaries, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuously
 COMMENTS :Data also supplied to the USGS/National Water Use Data System

DOCUMENTATION :"Description of Data Elements: Water Right Data"; "Description of Data Elements: Water Use Data" (9/83)
 USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :9/9/93
 PAPER FILE NUMBER :OK5

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OK003-01

CODE :OK004-01

STATE :OK
 DATA BASE NAME :OK Climatological Survey Data
 DATA BASE ACRONYM :OCS Data
 SUBJECT COVERAGE :Climate/weather, agriculture, soils data, surface water hydrology
 GEOGRAPHIC COVERAGE :Varies (see descriptions of individual data categories)
 AGENCY :OK Climatological Survey
 RESPONDENT :Atmos Eddy, Director
 OK Climatological Survey
 University of Oklahoma
 710 Asp, Suite 8
 Norman, OK 73019
 Telephone: 405-325-2541
 OTHER CONTACTS :Ellen Cooter, Assistant State Climatologist
 Phil McDonald

COMPUTER FACILITIES

COMPUTER(S) :APPLE
 IBM 3081
 RESIDENCE :In-house (APPLE); University of Oklahoma (IBM 3081)
 OPERATION :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS 3.3 and CP/M
 SYSTEM CAPACITY :Main memory: 64K
 Disc storage: 128 K
 LANGUAGE(S) :FORTRAN
 BASIC
 Assembler
 PERIPHERAL DEVICES :Monochrome graphics CRTs (6), color graphics CRTs (3), tablet-free cursor digitizers (2), dot matrix printer with graphics

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather - rainfall, wind, exposure, evapotranspiration, temperature, snowfall/snow depth, solar radiation, natural disasters
 GEOGRAPHIC COVERAGE :Arkansas, California, Colorado, Indiana, Iowa, Kansas, Minnesota, Montana, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Texas, Wisconsin, Wyoming
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Graphics, computer tape, statistical summaries
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate

UPDATE FREQUENCY
COMMENTS

:Monthly
 :Meteorological data for daily cooperative National Weather Service stations have been processed for the states noted above. The data for some states have been interpolated to provide a complete time series, and then processed to produce weekly derived variables.
 :States currently being processed include: Illinois, Louisiana, New Mexico and Missouri. Data for all remaining states are in the process of being acquired.

DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Agriculture - crop yields, livestock inventories, livestock production, crop phenology
 GEOGRAPHIC REFERENCE :Statewide
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :County
 OUTPUT PRODUCTS :Coordinate point
 DATA SOURCES :Tables (variable scale), graphics, computer tape
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :Moderate
 COMMENTS :Annually
 :Information supplied by the OK Crop and Livestock Reporting Service

DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Soils data - type, slope
 GEOGRAPHIC REFERENCE :Several counties in Oklahoma
 MINIMUM RESOLUTION :Ad hoc grid, unreferenced
 DATA STORAGE FORMAT :40 acres
 DATA SOURCES :Grid
 LEVEL OF RELIABILITY :Secondary
 COMMENTS :Unknown

DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Surface water hydrology - discharge/volume/stage, supply and storage
 GEOGRAPHIC REFERENCE :All Oklahoma hydrologic reporting stations and some Texas stations
 MINIMUM RESOLUTION :Latitude/longitude
 DATA STORAGE FORMAT :Site specific
 OUTPUT PRODUCTS :Coordinate point
 DATA SOURCES :Tables, graphics, computer tape
 LEVEL OF RELIABILITY :Secondary
 COMMENTS :Moderate
 :Data available for the period 1951-1980

DOCUMENTATION : "OCS Magnetic Tape Data Base" (August 18, 1983)
 USER FEES POLICY : Fees charged for all products and services requiring computer usage according to a fee schedule
 DATE OF INFORMATION : 09/16/83
 PAPER FILE NUMBER : OK7

ORIGINAL PAGE IS
OF POOR QUALITY

OK004-01

STATE :OK
 DATA BASE NAME :Landsat Forest Inventory
 SUBJECT COVERAGE :Forestry
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :OK State Department of Agriculture
 RESPONDENT :Kurt Atkinson, Assistant Director
 Forestry Division
 OK State Department of Agriculture
 2800 N. Lincoln Boulevard
 Oklahoma City, OK 73105
 Telephone: 405-521-3886
 OTHER CONTACTS :Roger L. Davis, Director
 John Burwell, Staff Forester

COMPUTER FACILITIES

COMPUTER(S) :IBM PC
 RESIDENCE :In-house; also use a private sector computer center:
 OK Foundation for Research and Development
 Box 1328
 Edmond, OK 73034

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, line printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
 vegetative species classes, forest land ownership
 GEOGRAPHIC COVERAGE :Statewide (forest land)
 GEOGRAPHIC REFERENCE :Not geographically referenced
 MINIMUM RESOLUTION :40 acres, by county
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Tables, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :No set time interval
 COMMENTS :Data acquired from Landsat and field survey

=====

USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :8/31/83
 PAPER FILE NUMBER :OK9

STATE :OK
 DATA BASE NAME :Allocated & Unallocated Oil & Gas Production
 SUBJECT COVERAGE :Oil and gas
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :OK Corporation Commission
 RESPONDENT :Mike Humphrey, Director
 Data Processing Division
 OK Corporation Commission
 Jim Thorpe Building
 2101 N. Lincoln Boulevard
 Oklahoma City, OK 73105
 Telephone: 405-521-2873
 OTHER CONTACTS :Oscar Cummings, Operations Supervisor
 Telephone: 405-521-2247

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 RESIDENCE :OK Department of Transportation
 OPERATION :Batch
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer, hard copy terminals (2), alphanumeric CRTs (10)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -
 allocated and unallocated production
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 MINIMUM RESOLUTION :Lease
 DATA STORAGE FORMAT :By county
 OUTPUT PRODUCTS :Tape
 DATA SOURCES :Computer tape, hard copy reports
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :High
 COMMENTS :Data acquired from the Oil and Gas Division

=====

DOCUMENTATION :Information on data structure, data type available
 USER FEES POLICY :No policy established; send tapes for data
 DATE OF INFORMATION :9/28/83
 PAPER FILE NUMBER :OK15

ORIGINAL PAGE IS
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OK005-01
 OK006-01

CODE :OK007-01

CODE :OK008-01

STATE :OK
 DATA BASE NAME :Oil & Gas Field File
 SUBJECT COVERAGE :Oil and gas
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Under development (just getting started)
 AGENCY :OK Geological Survey
 RESPONDENT :Michelle Summers, Geological Data Coordinator
 OK Geological Survey
 830 Van Vleet Oval, Room 163
 Norman, OK 73019
 Telephone: 405-325-3031
 OTHER CONTACTS :Dr. Charles Hankin, Director

COMPUTER FACILITIES

COMPUTER(S) :IBM 9835A
 (IBM 3081)
 RESIDENCE :In-house (IBM 9835A); University of Oklahoma (IBM 3081)
 OPERATION :Interactive
 GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Oil and gas -
 lease production by "field", location (section),
 township/range, monthly production (January 1983 -
 June 1983), discovery date, county, county code,
 remarks
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :By county, section
 DATA STORAGE FORMAT :Tabular
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuously
 COMMENTS :Received magnetic tape from the OK Tax Commission

=====

DATE OF INFORMATION :9/27/83
 PAPER FILE NUMBER :OK21

STATE :OK
 DATA BASE NAME :OK Natural Heritage Program
 SUBJECT COVERAGE :Statewide
 STATUS :This program was undertaken as a cooperative effort between the State of Oklahoma and The Nature Conservancy, a national nonprofit conservation organization.
 AGENCY :OK Department of Tourism and Recreation
 RESPONDENT :Ann Butler, Coordinator
 OK Natural Heritage Program
 OK Department of Tourism and Recreation
 Division of Planning and Development
 500 Will Rogers Building
 Oklahoma City, OK 73105
 Telephone: 405-521-2980
 OTHER CONTACTS :Estelle Hood, Secretary
 Shellie Gareau, Procedures Specialist
 The Nature Conservancy
 1800 North Kent Street
 Arlington, VA 22209
 Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -
 ecological values (plant and animal species, plant
 communities, aquatic systems, critical habitats and
 other natural features) of particular interest because
 they are exemplary, rare, or endangered at the state
 or national level
 GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
 DATE OF INFORMATION :1/21/83
 PAPER FILE NUMBER :OK21

ORIGINAL PAGE IS
 OF POOR QUALITY

OK007-01
 OK008-01

CODE :OR001-01

STATE :OR
 DATA BASE NAME :Elk Habitat Inventory and Mapping
 SUBJECT COVERAGE :Rocky Mountain and Roosevelt elk habitat
 GEOGRAPHIC COVERAGE :10 million acres, mostly in Blue Mountains of northeast Oregon and Coast Range of northwest Oregon
 AGENCY :OR Department of Fish and Wildlife
 RESPONDENT :Larry Bright, Staff Biologist
 Management/Research Coordinator
 OR Department of Fish and Wildlife
 P.O. Box 3503
 Portland, OR 97208
 Telephone: 503-229-5453
 OTHER CONTACTS :Paul W. Ebert, Research Supervisor (Wildlife)
 Dale Christianson, Supervisor, Data Processing
 Telephone: 503-229-5046

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER 170/720
 RESIDENCE :Oregon State University Computer Center (Corvallis) -
 CDC CYBER 170/720;
 University of Washington Remote Sensing Applications
 Lab (Seattle) - VICAR/IBIS

OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :VICAR/IBIS

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 Rocky Mountain elk, Roosevelt elk, habitat
 GEOGRAPHIC COVERAGE :10 million acres (9,590,000 acres in the Blue Mountains of northeast Oregon; 450,000 acres in the Saddle Mountain Management Unit in northwest Oregon)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 MINIMUM RESOLUTION :1 acre (pixel)
 DATA STORAGE FORMAT :Digital
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, statistical summaries (acreage), composite mapping
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High to moderate
 UPDATE FREQUENCY :One time to date; 5-year updates recommended
 CLASSIFICATION :Based on in-state vegetation classification systems

DATA CATEGORY NAME :Forestry -
 stand condition, timber species groupings, Roosevelt elk
 GEOGRAPHIC COVERAGE :450,000 acres in the Saddle Mountain Management Unit in northwest Oregon
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 MINIMUM RESOLUTION :1 acre (pixel)
 DATA STORAGE FORMAT :Digital
 OUTPUT PRODUCTS :Maps (variable scale), tables, graphics, computer tape, statistical summaries (acreage), composite mapping
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High to moderate
 UPDATE FREQUENCY :One time to date; 5-year updates recommended
 CLASSIFICATION :Based on in-state vegetation classification systems

DATA CATEGORY NAME :Topography -
 slope, aspect
 GEOGRAPHIC COVERAGE :107,000-acre pilot project in the Saddle Mountain Management Unit in northwest Oregon
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 MINIMUM RESOLUTION :1 acre (pixel)
 DATA STORAGE FORMAT :Digital
 OUTPUT PRODUCTS :Maps (1:24,000-scale), tables, graphics, computer tape, statistical summaries, composite mapping
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 COMMENTS :Slope/aspect grayscale (2-class) map generated from January Landsat data and utilizing N slope shadowing; classes assigned to northerly or southerly aspects from overlaying grayscales to 1/2" USGS topographic maps; experimental

DOCUMENTATION :"Elk Habitat Inventory and Mapping Utilizing Landsat Data", Report # II; "Monitoring Rocky Mountain Elk Habitat Using Satellite Data" (Draft); "Assessment of Elk Habitat for Resource Management and Planning Activities from Landsat Mapping Products" (Draft)
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :8/3/83
 PAPER FILE NUMBER :OR1

ORIGINAL PAGE IS
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OR001-01

CODE :OR002-01

STATE :OR
DATA BASE NAME :Forest Resource Survey
SUBJECT COVERAGE :Forestry
GEOGRAPHIC COVERAGE :Statewide
AGENCY :OR Forestry Department
RESPONDENT :Ray Miller, Resource Analyst
Resources Studies section
OR Forestry Department
2600 State Street
Salem, OR 97310
Telephone: 503-378-2664
OTHER CONTACTS :Dave Stere, Planning Director
Telephone: 503-378-5387
:Art Jones, ADP Supervisor
Telephone: 503-378-2503

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/158
RESIDENCE :OR State Department of Transportation

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
COBOL
Assembler
SPECIALIZED SOFTWARE :SPSS
FOCUS
EMAIL
HTI COMMAND
CICS
TSO

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
:type (commercial), type (non-commercial), ownership
:class, net timber volume, net timber growth, stand
:age, productivity, mortality, treatment opportunity
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced
MINIMUM RESOLUTION :Site specific; varies with plot size
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, computer tape
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Varies
UPDATE FREQUENCY :Every 10 years
CONFIDENTIALITY :Plot locations confidential

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DOCUMENTATION :Copies not available for distribution
DATE OF INFORMATION :8/22/83
PAPER FILE NUMBER :OR2

ORIGINAL PAGE IS
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OR002-01

CODE :OR003-01

STATE	:OR	DATA CATEGORY NAME	:Surface water -
DATA BASE NAME	:Fish Inventory of Oregon Lakes and Streams	GEOGRAPHIC COVERAGE	discharge/volume/stage, water body type, water body size, supply and storage
SUBJECT COVERAGE	:Fish, surface water, recreation	GEOGRAPHIC REFERENCE	:Statewide
GEOGRAPHIC COVERAGE	:Statewide	MINIMUM RESOLUTION	:Public Land Survey
AGENCY	:OR Department of Fish and Wildlife	DATA STORAGE FORMAT	:Site specific; by township; by county; by watershed or river basin
RESPONDENT	:Ken R. Hall, Chief Fisheries Information Systems OR Department of Fish and Wildlife 506 S.W. Hill Street P.O. Box 3503 Portland, OR 97208 Telephone: 503-229-5140	OUTPUT PRODUCTS	:Tabular
OTHER CONTACTS	:Jim Griggs, Staff Biologist Telephone: 503-229-6042 :Rich Berry, Staff Biologist Telephone: 503-229-6042 :Dale Christensen, Data Processing Supervisor Telephone: 503-229-5505	DATA SOURCES	:Tables, computer tape, statistical summaries, interactive video display capability
COMPUTER FACILITIES		LEVEL OF RELIABILITY	:Primary and secondary
COMPUTER(S)	:EVOLUTION SYSTEMS R-80	UPDATE FREQUENCY	:Moderate
RESIDENCE	:In-house; also use a university computer center for research projects		:Last updated in 1977; future updates dependent on availability of funding
OPERATION	:Interactive		
GIS CAPABILITY	:Yes		
IN-HOUSE FACILITIES			
OPERATING SYSTEM	:PICK	DATA CATEGORY NAME	:Recreation -
SYSTEM CAPACITY	:Disc storage: 200MB	GEOGRAPHIC COVERAGE	fish, sport catch, catch methods, recreation days
	:Simultaneous users supported: 46	GEOGRAPHIC REFERENCE	:Statewide
LANGUAGE(S)	:BASIC	MINIMUM RESOLUTION	:Public Land Survey
	:ENGLISH (report generator)	DATA STORAGE FORMAT	:By county; by watershed or river basin
PERIPHERAL DEVICES	:60 monochrome graphics CRTs, line printer, dot matrix printer with graphics, 4 hard copy terminals	OUTPUT PRODUCTS	:Tabular
DESCRIPTION OF DATA CATEGORIES		DATA SOURCES	:Tables, computer tape, statistical summaries, interactive video display capability
DATA CATEGORY NAME	:Fish -	LEVEL OF RELIABILITY	:Primary and secondary
GEOGRAPHIC COVERAGE	game, non-game	UPDATE FREQUENCY	:High
GEOGRAPHIC REFERENCE	:Statewide		:Last updated in 1977; future updates not currently scheduled
MINIMUM RESOLUTION	:Public Land Survey		
DATA STORAGE FORMAT	:By county; by watershed or river basin		
OUTPUT PRODUCTS	:Tabular		
DATA SOURCES	:Tables, computer tape, statistical summaries, interactive video display capability		
LEVEL OF RELIABILITY	:Primary and secondary		
UPDATE FREQUENCY	:Moderate		
	:Last updated in 1977; no exact date to update again		
		USER FEES POLICY	:No policy established
		DATE OF INFORMATION	:8/11/83
		PAPER FILE NUMBER	:ORG

ORIGINAL PAGE 53
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OR003-01

		CODE :OR004-01	
STATE	:OR		
DATA BASE NAME	:OSCUR 2 Forest Inventory		
SUBJECT COVERAGE	:Forestry, land use, soils, and topography		
GEOGRAPHIC COVERAGE	:State-owned and managed forest lands in Oregon (approximately 780,000 acres)		
AGENCY RESPONDENT	:OR Forestry Department Bill Voelker, Director Inventory, Analysis and Planning Forest Management Division OR Forestry Department 2600 State Street Salem, OR 97310 Telephone: 503-378-2552		
<u>COMPUTER FACILITIES</u>			
COMPUTER(S)	:IBM 370		
RESIDENCE	:OR Department of Transportation		
OPERATION	:Batch		
<u>IN-HOUSE FACILITIES</u>			
PERIPHERAL DEVICES	:Line printer, alphanumeric CRTs		
<u>DESCRIPTION OF DATA CATEGORIES</u>			
DATA CATEGORY NAME	:Forestry - cover type, stocking, age, species, stand tables, damage code, management history, quality/condition, volume		
GEOGRAPHIC COVERAGE	:State-owned forest lands in Oregon (approximately 780,000 acres)		
GEOGRAPHIC REFERENCE	:Public Land Survey		
MINIMUM RESOLUTION	:2-5 acres		
DATA STORAGE FORMAT	:Tabular		
OUTPUT PRODUCTS	:Tables, computer tape, statistical summaries		
DATA SOURCES	:Primary		
LEVEL OF RELIABILITY	:Moderate		
UPDATE FREQUENCY	:One to ten years		
CLASSIFICATION	:In-house forest classification		
COMMENTS	:Maps published at a scale of 1"=1000'		
DATA STORAGE FORMAT	:Tabular :Tables, computer tape, statistical summaries :Map overlays prepared at a scale of 1"=1000'		
OUTPUT PRODUCTS			
COMMENTS			
DATA CATEGORY NAME	:Land use - timber, mineral extraction/energy production, recreation, ownership		
GEOGRAPHIC COVERAGE	:State-owned forest lands in Oregon (approximately 780,000 acres)		
GEOGRAPHIC REFERENCE	:Public Land Survey		
MINIMUM RESOLUTION	:2-5 acres		
DATA STORAGE FORMAT	:Tabular		
OUTPUT PRODUCTS	:Tables, computer tape, statistical summaries		
DATA SOURCES	:Primary		
LEVEL OF RELIABILITY	:Moderate		
UPDATE FREQUENCY	:One to 10 years		
CLASSIFICATION	:In-house forest classification		
COMMENTS	:Map overlays prepared at a scale of 1"=1000'		
DATA CATEGORY NAME	:Topography - slope, relief		
GEOGRAPHIC COVERAGE	:State-owned forest lands in Oregon (approximately 780,000 acres)		
GEOGRAPHIC REFERENCE	:Public Land Survey		
MINIMUM RESOLUTION	:2-5 acres		
DATA STORAGE FORMAT	:Tabular		
OUTPUT PRODUCTS	:Tables, computer tape, statistical summaries		
DATA SOURCES	:Map overlays prepared at a scale of 1"=1000'		
LEVEL OF RELIABILITY			
UPDATE FREQUENCY			
CLASSIFICATION			
COMMENTS			
USER FEES POLICY	:Maps and computer printouts supplied at cost		
DATE OF INFORMATION	:7/28/83		
PAPER FILE NUMBER	:OR9		
DATA CATEGORY NAME	:Soils data - type, series, association, productivity, landform, site		
GEOGRAPHIC COVERAGE	:State-owned forest lands in Oregon (approximately 780,000 acres)		
GEOGRAPHIC REFERENCE	:Public Land Survey		
MINIMUM RESOLUTION	:2-5 acres		

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OR004-01

STATE :OR
 DATA BASE NAME :Fire Studies/Fire Report File
 SUBJECT COVERAGE :Forest fires
 GEOGRAPHIC COVERAGE :State-protected forest lands (approximately 16.75 million acres)
 STATUS :Fire Report File contains data from 1956 to the present; a variable number of years is used as input for Fire Studies
 AGENCY :OR Forestry Department
 RESPONDENT :Dick Rondeau
 Forest Protection Division
 OR Forestry Department
 2600 State Street
 Salem, OR 97310
 Telephone: 503-378-2531
 OTHER CONTACTS :Ken Falon, Protection Analyst
 Telephone: 503-378-2928
 :Jim Miller, Programmer-Analyst
 Telephone: 503-378-2502

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/158
 RESIDENCE :OR Department of Transportation
 OPERATION :Batch
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

LANGUAGE(S) :COBOL
 FORTRAN
 SPECIALIZED SOFTWARE :Z-Chart
 PERIPHERAL DEVICES :2 hard copy terminals, 3 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry - forest fires, location, cause, class of people (responsible), ownership, detection, chronology (origin-discovery-initial attack-control), costs of suppression, damage assessment, acreage burned
 GEOGRAPHIC COVERAGE :State-protected forest lands (approximately 16.75 million acres)
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :One square mile; also aggregated by township, county, management unit, ownership unit, and watershed or river basin
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Tables, plots, statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High

DOCUMENTATION :General information and description of data structure available
 USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :8/22/83
 PAPER FILE NUMBER :OK10

ORIGINAL PAGE IS
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CODE :OR006-01

CODE :OR007-01

STATE :OR
 DATA BASE NAME :Forest Operator-Landowner Liability Law Administration File
 DATA BASE ACRONYM :FOLLAD Report
 SUBJECT COVERAGE :Forestry
 GEOGRAPHIC COVERAGE :State-owned lands and private lands used in forestry operations in Oregon
 AGENCY RESPONDENT :OR Forestry Department
 :Neil Skill, Assistant State Forester
 :OR Forestry Department
 :2600 State Street
 :Salem, OR 97310
 :Telephone: 503-378-2494
 OTHER CONTACTS :Jia Miller, Systems Analyst
 :Telephone: 503-378-2502

COMPUTER FACILITIES

COMPUTER(S) :IBM 370/158
 RESIDENCE :OR Department of Transportation
 OPERATION :Batch

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :2 hard copy terminals, 3 alphanumeric CRTs

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
 :land ownership by class, type of operation, environmental damage potential (high/moderate/low), chemical applications, acres harvested, roads built
 GEOGRAPHIC COVERAGE :State-owned lands and private lands used in forestry operations in Oregon
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :One square mile
 OUTPUT PRODUCTS :Statistical summaries, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuously

=====

DOCUMENTATION :General information and descriptions of data structure and data encoding format/procedure available
 USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :8/17/83
 PAPER FILE NUMBER :OR11

STATE :OR
 DATA BASE NAME :Insect Damage Survey
 SUBJECT COVERAGE :Forest insect damage
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY RESPONDENT :OR Forestry Department
 :Leroy Kline, Director
 :Insect and Disease Management Section
 :OR Forestry Department
 :2600 State Street
 :Salem, OR 97310
 :Telephone: 503-378-2554
 OTHER CONTACTS :Paul E. Buffam, Director
 :Forest Pest Management
 :U.S. Forest Service
 :Portland, OR
 :Telephone: 503-221-2727

COMPUTER FACILITIES

RESIDENCE :U.S. Forest Service

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
 :insect damage, insect species, host species, infestation, infestation centers, amount of damage
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :Within 21 to 40 acres
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (1/2"=1 mile), tables
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Annually
 COMMENTS :Data supplied to U.S. Forest Service, Fort Collins Computer Center, Colorado

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USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :8/22/83
 PAPER FILE NUMBER :OR12

ORIGINAL PAGE IS
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OR006-01
 OR007-01

CODE :OR008-01

CODE :OR009-01

STATE :OR
 DATA BASE NAME :Groundwater Sources and Aquifer Data, Observation Well Net
 SUBJECT COVERAGE :Groundwater, geology
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :OR Water Resources Department
 RESPONDENT :Frederick G. Lissner, Administrator
 Ground Water Division
 OR Water Resources Department
 555 13th Street N.E.
 Salem, OR 97310
 Telephone: 503-378-8456

COMPUTER FACILITIES

RESIDENCE :U.S. Geological Survey (Portland, OR)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 bedrock geology, permeability, porosity
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Grid based on Public Land Survey
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Annually
 COMMENTS :Data supplied to U.S. Geological Survey WATSTORE
 repository

DATA CATEGORY NAME :Groundwater -
 quantity, recharge, well location, point of outlet,
 flow direction, withdrawal volume, water depth
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Grid based on Public Land Survey
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate

=====

DATE OF INFORMATION :8/1/83
 PAPER FILE NUMBER :OR16

STATE :OR
 DATA BASE NAME :Streamflow Records
 SUBJECT COVERAGE :Surface water
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :OR Water Resources Department
 RESPONDENT :Ben P. Scales, Hydrographer
 Policy and Planning Division
 OR Water Resources Department
 555 13th Street N.E.
 Salem, OR 97310
 Telephone: 503-378-3671
 OTHER CONTACTS :Darrell Lear, Administrator
 Policy and Planning Division

COMPUTER FACILITIES

COMPUTER(S) :ATLAS 8000-SD
 RESIDENCE :In-house
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :CP/M
 SYSTEM CAPACITY :Main memory: 64K
 Disc storage: 2MB
 LANGUAGE(S) :BASIC
 FORTRAN
 PERIPHERAL DEVICES :Color graphics CRT, Tektronix 4956 digitizer, line
 printer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
 discharge/volume/stage, streamflow
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 By river mile
 MINIMUM RESOLUTION :Site specific (observation sites)
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Varies
 COMMENTS :Some data are supplied to a U.S. Geological Survey
 repository under an ongoing cooperative program

=====

USER FEES POLICY :Fees may be charged depending on volume of data requested
 and time required to respond
 DATE OF INFORMATION :8/15/83
 PAPER FILE NUMBER :OR17

ORIGINAL PAGE IS
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OR008-01
 OR009-01

CODE :OR010-01

STATE :OR
DATA BASE NAME :OR Natural Heritage Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Oregon and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :OR Natural Heritage Program
RESPONDENT :Curt Soper, Coordinator
OR Natural Heritage Program
c/o NW Field Office
1234 NW 25th Avenue
Portland, OR 97210
Telephone: 503-228-9550
OTHER CONTACTS :Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :HP

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide
=====

DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :OR19

ORIGINAL PAGE IS
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CODE :OR011-01

DATA CATEGORY NAME

STATE :OR
 DATA BASE NAME :Water Rights Information System
 DATA BASE ACRONYM :WRIS
 SUBJECT COVERAGE :Water rights for surface water/groundwater
 GEOGRAPHIC COVERAGE :Statewide (when completed)
 STATUS :This system is under development, and contains the following data bases:
 Water Rights
 Water Resources
 Status Inquiry
 Batch Queue
 Transaction Log
 AGENCY :OR Water Resources Department
 RESPONDENT :Chris L. Hughes, Senior Water Rights Examiner
 OR Water Resources Department
 Water Rights Division
 555 13th Street, N.E.
 Salem, OR 97310
 Telephone: 503-378-3066
 OTHER CONTACTS :Larry Jehousk, Supervisor
 Water Rights Division
 Telephone: 503-378-8453
 :Ralph Jackson, Supervisor
 Applications/Permits Section
 Telephone: 503-378-3066

:Surface water -
 water rights, point of diversion, volume of diversion,
 use of water (if used for irrigation, number of acres
 irrigated), place of use, water right remarks, reservoir
 data, water master, gage, tributary, water master
 table
 :Statewide (when completed)
 :Public Land Survey
 :40 acres; 640 acres; by watershed or river basin
 :Arc/node, tabular
 :Tables, interactive video display, computer printouts
 :Primary and secondary
 :High
 :Continuously
 :Some claims date back to the 1800s

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DOCUMENTATION : "Water Rights Information System" manual
 USER FEES POLICY : Fees charged for products only
 DATE OF INFORMATION : 8/15/83
 PAPER FILE NUMBER : OR18

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :Central government computer center
 OPERATION :Batch and interactive

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -
 water rights, point of diversion, volume of diversion,
 use of water (if used for irrigation, number of acres
 irrigated), place of use, water right remarks
 GEOGRAPHIC COVERAGE :Statewide (when completed)
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :40 acres; 640 acres; by watershed or river basin
 DATA STORAGE FORMAT :Arc/node, tabular
 OUTPUT PRODUCTS :Tables, interactive video display capability, computer
 printouts
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuously
 COMMENTS :Some claims date back to the 1800s

ORIGINAL PAGE IS
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OR011-01

CODE :OR012-01

STATE :OR
DATA BASE NAME :Recreation Resources
GEOGRAPHIC COVERAGE :Statewide
AGENCY :Pacific Northwest River Basin Commission
RESPONDENT :Robert F. Nealey, Recreation Data Base Manager
Pacific Northwest River Basin Commission
515 Transportation Building
Salem, OR 97310
Telephone: 503-378-8271

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -
projections of recreation needs, recreation demands,
and recreation use on recreation activities such as
camping, picnicking, swimming, fishing, boating, water
skiing, hunting, bicycling, golfing, horseback
riding, etc.
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Computer printouts, magnetic tapes
DATA SOURCES :Secondary
COMMENTS :Data generated from 1975 to present; data sources include
Bonneville Power, county and city governments, Fish and
Wildlife Department, Forestry Department, U.S. Forest
Service, U.S. Bureau of Land Management, U.S. Fish and
Wildlife Service

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DATE OF INFORMATION :8/28/79
PAPER FILE NUMBER :OR14-1

ORIGINAL PAGE IS
OF POOR QUALITY

OR012-01

CODE :PA001-01

STATE :PA
DATA BASE NAME :PA Fish and Wildlife Data Base
SUBJECT COVERAGE :Game and non-game wildlife, distribution, status, life histories and habitats
GEOGRAPHIC COVERAGE :Statewide
AGENCY :Pa Game Commission
RESPONDENT :Calvin W. Dubrock, Biometrician/Coordinator - Data Base
PA Game Commission
8000 Berry Street
P.O. Box 1567
Harrisburg, PA 17105-1567
Telephone: 717-787-1567
OTHER CONTACTS :Jacob I. Sitlinger, Chief
Division of Land Management
Telephone: 717-787-6818

Kuchler's Potential Natural Vegetation; Anderson's Land Use/Land Cover Classification; Society of American Foresters' Forest Cover Types; USFWS Classification of Wetlands & Deep Water Habitats; USFS Forest Inventory Size Classes

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DOCUMENTATION : "Pennsylvania Fish and Wildlife Data Base" brochure; descriptions of software, data encoding format/procedures, and data types also available
USER FEES POLICY : Fees charged for all products and services according to a fee schedule (cost recovery basis)
DATE OF INFORMATION : 7/7/83
PAPER FILE NUMBER : PAS

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/21
RESIDENCE :Bloomsburg University
OPERATION :Batch and interactive

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Hard copy terminal, alphanumeric CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
mammals, birds, fish, estuarial, reptiles, amphibians, populations, threatened species, endangered species, game, non-game, distribution, habitat association, status, life history, environmental associations, food habits, influence of management activities, bibliography
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
By county
By USGS 7 1/2' Quadrangle
By hydrologic unit
By ecoregion
MINIMUM RESOLUTION :By county; by hydrologic unit
OUTPUT PRODUCTS :Tables, computer, interactive video display capability, individual species profile reports
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Daily to weekly
CONFIDENTIALITY :Site-specific information for select "special concern" species is subject to restricted access
CLASSIFICATION :USGS Office of Water Data Coordination Hydrologic Unit Classification; Bailey's Ecoregion Classification;

ORIGINAL PAGE IS
OF POOR QUALITY

PA001-01



CODE :PA002-01

STATE :PA
 DATA BASE NAME :Insect and Disease Storage and Retrieval
 SUBJECT COVERAGE :Data base contains information on insect damage to forest vegetation
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :System still in development stage, scheduled for completion in late 1983
 AGENT :PA Bureau of Forestry
 RESPONDENT :John W. Quinby, Forest Entomologist
 Division of Forest Pest Management
 PA Bureau of Forestry
 Department of Environmental Resources
 34 Airport Drive
 Middletown, PA 17057-5000
 Telephone: 717-944-6012
 OTHER CONTACTS :Kenneth H. Hickock, Chief, Biometrics Section
 Telephone: 717-787-3444

GEOGRAPHIC REFERENCE :Latitude/longitude
 Forest District
 County
 Township
 "Forest Pest Locator Grid" - based on USGS Quad's
 :Ownership unit, county, township, 1.5 sec./30 sec
 (about 160 acres)
 :Grid, tabular
 :Tables, statistical summaries, composite mapping,
 interactive video display capability, computer tape
 :Primary
 :High to moderate
 :Continuously
 :Data is reported to APHIS/USDA Federal Pest Damage
 Reporting System

DOCUMENTATION : "Insect and Disease Survey Data" (Draft, August 1982)
 USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :7/25/83
 PAPER FILE NUMBER :PA6 (PA8-6)

COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS B20
 BURROUGHS B6700
 RESIDENCE :In-house (above), Penn State (limited access),
 USDA APHIS (limited to certain species)/USDA
 Forest Service (not fully operational)
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :CANDIE
 SYSTEM CAPACITY :Main memory: 64 PODS
 Disc storage: 3 megawords per pack
 Simultaneous users supported: 35
 LANGUAGE(S) :FORTRAN
 COBOL
 ALGOL
 SPECIALIZED SOFTWARE :Tectronics Plot 10
 DNS II
 STSS
 PERIPHERAL DEVICES :CRT display, Neumannics 1224, electrostatic
 plotter, small flatbed pen plotter (22" x 17")
 :alphanumeric CRT's (130)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
 quality and condition of vegetation, stage, host,
 degree of damage, type of damage, insect/disease
 species, location, ownership, slope, elevation,
 reporter, date, site, herbaceous cover
 GEOGRAPHIC COVERAGE :Statewide, all forest land

ORIGINAL PAGE IS
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CODE :PA003-01

STATE :PA
 DATA BASE NAME :Timber Volume Inventory
 SUBJECT COVERAGE :Forest resources
 (collection, editing and statistical analysis of data from permanent plots measured twice/management period; provides estimates of current timber volumes and annual growth)
 GEOGRAPHIC COVERAGE :Statewide for State Forest land
 AGENCY :PA Bureau of Forestry
 RESPONDENT :Kenneth H. Nicl, Chief, Biometrics Section
 PA Bureau of Forestry
 PA Department of Environmental Resources
 Evangelical Press Building, Third and Reilly Streets
 PO Box 1467
 Harrisburg, PA 17120
 Telephone: 717-783-3644
 OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician
 (Computer Operations)

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500
 BURROUGHS B-20
 BURROUGHS B-6700
 RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (DER) (Forestry is a unit of DER)
 Other facilities used - USFS, Fort Collins Computer Center; University of MI, University of MN
 OPERATION :Batch and interactive
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2
 SYSTEM CAPACITY :Main memory: 6 million Bytes
 Disc storage: 3600 million Bytes
 Simultaneous users supported: 125 approx.
 LANGUAGE(S) :ALGOL
 FORTRAN
 BASIC
 COBOL
 SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10
 SPSS
 Forestry's self-developed DBMS
 PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources -

GEOGRAPHIC COVERAGE :Statewide for State Forest land only
 GEOGRAPHIC REFERENCE :County
 Forest District
 Geographic Unit
 MINIMUM RESOLUTION :County, forest district, geographic unit
 DATA STORAGE FORMAT :Tabular (stored by plot and tree number identification)
 OUTPUT PRODUCTS :Maps - 1:15840 scale, tables, statistical summaries, computer tape. (Maps are drafted and produced for State Forest Management only)
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High to low, depending on geographic reference
 UPDATE FREQUENCY :Every 7 to 8 years
 CLASSIFICATION :Bureau of Forestry timber stand classes (type, site, and size class), forest types are similar to SFS forest types but are broader classifications
 COMMENTS :Data are supplied to USFS, Forest Inventory and Analysis Unit, Broomall, PA
 Same data for total state can be obtained from them

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DOCUMENTATION :General information is available
 USER FEES POLICY :Information is generally not provided
 DATE OF INFORMATION :7/25/83
 PAPER FILE NUMBER :PA8-1

ORIGINAL PAGE IS
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PA003-01



CODE :PA003-02

STATE :PA
DATA BASE NAME :Land Area Inventory
SUBJECT COVERAGE :Forest resources
 (Provides fast update and retrieval of information concerning acreage of State Forest land by management zones and stand classes - used for planning purposes and calculation of estimated yields)
GEOGRAPHIC COVERAGE :Statewide for State Forest land only
AGENCY :PA Bureau of Forestry
RESPONDENT :Kenneth H. Hickok, Section Chief, Biometrics Section
 PA Bureau of Forestry
 PA Department of Environmental Resources
 Evangelical Press Building, Third and Reilly Streets
 PO Box 1467
 Harrisburg, PA 17120
 Telephone: 717-783-3444
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician (Computer Operations)

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500
 BURROUGHS B-20
 BURROUGHS B-6700
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (DER) (Forestry is a unit of DER)
 Other facilities used - USFS, Fort Collins Computer Center; University of MI, University of NY
OPERATION :Batch and interactive
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2
SYSTEM CAPACITY :Main memory: 6 million bytes
 Disc storage: 3600 million bytes
 Simultaneous users supported: 125 approx.
LANGUAGE(S) :ALGOL
 FORTRAN
 BASIC
 Assembler
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10
 SPSS
 Forestry's self developed
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -

GEOGRAPHIC COVERAGE :area (acres); classification by: management zones, stand class, location (compartment and map section)
GEOGRAPHIC REFERENCE :State Forest Land statewide
MINIMUM RESOLUTION :County, forest district, geographic unit
DATA STORAGE FORMAT :2 - 5 acres, 10 acres, county, management unit, forest district, geographic unit
OUTPUT PRODUCTS :Tabular (stored by compartment (management unit) and stand number identification)
 Tables, interactive video display, interactive storage and retrieval (includes update capability)
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Monthly, annually
CLASSIFICATION :Bureau of Forestry Timber Stand Classes and Land Use Management Zones
COMMENTS :Last update: 1979

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DOCUMENTATION :General information available
USER FEES POLICY :Information generally not provided
DATE OF INFORMATION :7/25/83
PAPER FILE NUMBER :PA8-2

ORIGINAL PAGE IS
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CODE :PA003-03

STATE :PA
 DATA BASE NAME :PA Natural Diversity Inventory
 DATA BASE ACRONYM :PNDI
 SUBJECT COVERAGE :Storage and retrieval system to provide fast inquiry of information concerning rare, endangered or threatened species
 GEOGRAPHIC COVERAGE :Statewide (expected completion June 20, 1984)
 STATUS :PA Bureau of Forestry has done the computer systems development and is the lead agency for this statewide program. Cooperating organizations are: Western PA Conservancy and The Nature Conservancy. WPC is tied directly to the system via a terminal. TNC provides data (from HP system) via computer tape.
 AGENCY RESPONDENT :PA Bureau of Forestry
 :Kenneth H. Hickok, Section Chief
 Biometrics Section
 Bureau of Forestry
 PA Department of Environmental Resources
 Evangelical Press Building, Third and Reilly Streets
 PO Box 1467
 Harrisburg, PA 17120
 Telephone: 717-783-3444
 OTHER CONTACTS :Stephen L. Sterner, Forest Biometrist
 COMPUTER FACILITIES
 COMPUTER(S) :ECS 4500
 BURROUGHS 8-20
 BURROUGHS 6700
 RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (Forestry is a unit of DER)
 Other facilities used - Bloomsburg State College (for access of PA Fish and Wildlife Data Base); USFS, Fort Collins Computer Center; University of MI, University of MN
 OPERATION GIS CAPABILITY :Batch and interactive
 :Partial
 IN-HOUSE FACILITIES
 OPERATING SYSTEM :MCP 3.2
 SYSTEM CAPACITY :Main memory: 6 million Bytes
 Disc storage: 3600 million Bytes
 Simultaneous users supported: 125 approx.
 LANGUAGE(S) :ALGOL
 FORTRAN
 BASIC
 COBOL
 SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10
 SPSS

PERIPHERAL DEVICES :Forestry's self developed DDNS
 :Numonics electronic planimeter/digitizer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - occurrences of rare/endangered/threatened/species of concern: animals, plants, special plant communities, ecological reserves, geologic, natural areas
 GEOGRAPHIC COVERAGE :Statewide (expected completion June 30, 1984)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 :County
 :Township
 :Watershed
 :USGS quadrangle
 MINIMUM RESOLUTION :Site specific, watershed, county, township
 DATA STORAGE FORMAT :Coordinate point, stored by species/element occurrence code
 OUTPUT PRODUCTS :Tables, statistical summaries, interactive retrieval of site specific information
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 CONFIDENTIALITY :Ownership and location data may be withheld from certain users depending on the sensitivity of species
 CLASSIFICATION :Species/element occurrence code developed by W. PA. Conservancy and Bureau of Forestry - hierarchical classification to allow for plant communities/geologic features as well as plant and animal species

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DOCUMENTATION :PA Natural Diversity Inventory Classification and Coding Manual
 USER FEES POLICY :Information is provided in exchange for service rendered (i.e. collection of data and input to system)
 DATE OF INFORMATION :7/25/83
 PAPER FILE NUMBER :PA8

ORIGINAL PAGE IS
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CODE :PA003-04

STATE :PA
 DATA BASE NAME :Timber Sales Tracking
 SUBJECT COVERAGE :Timber sales
 GEOGRAPHIC COVERAGE :Statewide for state forest land only
 AGENCY :PA Bureau of Forestry
 RESPONDENT :Kenneth H. Hickok, Section Chief
 Biometrics Section
 Bureau of Forestry
 PA Department of Environmental Resources
 Evangelical Press Building, Third and Reilly Streets
 PO Box 1467
 Harrisburg, PA 17120
 Telephone: 717-783-3444
 OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician

COMPUTER FACILITIES

COMPUTER(S) :DEC 4500
 BURROUGHS 8-20
 BURROUGHS 6700
 RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (Forestry is a unit of DER)
 Other facilities used - Bloomsburg State College for access of PA Fish and Wildlife Data Base; USFS, Fort Collins Computer Center; University of MI, University of MN
 OPERATION :Batch and interactive
 CIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2
 SYSTEM CAPACITY :Main memory: 6 million Bytes
 Disc storage: 3600 million Bytes
 Simultaneous users supported: 125 approx.
 LANGUAGE(S) :ALGOL
 FORTRAN
 BASIC
 COBOL
 SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10
 SPSS
 Forestry's self developed DWIS
 PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Timber sales -
 net and gross volumes by species, number trees by species, log grades, disposition of sale, prices by

GEOGRAPHIC COVERAGE :species, acreage treated
 GEOGRAPHIC REFERENCE :State forest land
 :Forest district
 :Management compartment
 :Forest district, management compartment, stand class
 MINIMUM RESOLUTION :Tabular, stored by species, sale disposition
 DATA STORAGE FORMAT :Tables, statistical summaries, interactive video display capability, automatic production of sale prospectus, sale disposition tracking, block payment tracking
 OUTPUT PRODUCTS :Primary
 :High
 :Continuous, annual
 DATA SOURCES :Bureau of Forestry stand classification; species classification; land use management zone
 LEVEL OF RELIABILITY
 UPDATE FREQUENCY
 CLASSIFICATION

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USER FEES POLICY :Information is generally not provided
 DATE OF INFORMATION :7/25/83
 PAPER FILE NUMBER :PA6

ORIGINAL PAGE IS
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CODE : PA003-05

COMPUTER FACILITIES

COMPUTER(S)	:ECS 4500 BURROUGHS B-20 BURROUGHS 6700
RESIDENCE	:In-house - Bureau of by the Department of try is a unit of DER) Other facilities used access of PA Fish and Collins Computer Center of MN
OPERATION	:Batch and Interactive
GIS CAPABILITY	:Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM	:MCP 3.2
SYSTEM CAPACITY	:Main memory: 6 million Bytes Disc storage: 3600 million Bytes Simultaneous users supported: 125 approx.
LANGUAGE(S)	:ALGOL FORTRAN BASIC COBOL
SPECIALIZED SOFTWARE	:TEKTRONIX PLOT 10 SPSS
PERIPHERAL DEVICES	:Forestry's self developed DBNS :Numonics electronic planimeter/gigitizer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources -
production and income (rentals, leases, royalties)

GEOGRAPHIC COVERAGE	from: wells, coal, gas storage areas, other minerals, exploration
GEOGRAPHIC REFERENCE	<ul style="list-style-type: none"> :State forest lands :USGS quadrangle County Township Forest district
MINIMUM RESOLUTION	:Township, county, ownership unit
DATA STORAGE FORMAT	:Tabular, county and district
OUTPUT PRODUCTS	:Tables, statistical summaries, interactive video display
DATA SOURCES	:Primary and secondary
LEVEL OF RELIABILITY	:High
UPDATE FREQUENCY	:Continuous

USER FEES POLICY :Information is generally not provided
DATE OF INFORMATION :7/25/83
PAPER FILE NUMBER :PAB

ORIGINAL PAGE IS
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PA003-05

ORIGINAL PAGE IS
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CODE :PA003-06

STATE :PA
 DATA BASE NAME :Wood-using Industry Directory
 SUBJECT COVERAGE :Forest industries
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :PA Bureau of Forestry
 RESPONDENT :Kenneth H. Hickok, Section Chief
 Biometrics Section
 Bureau of Forestry
 PA Department of Environmental Resources
 Evangelical Press Building, Third and Roilly Streets
 PO Box 1467
 Harrisburg, PA 17120
 Telephone: 717-783-3444
 OTHER CONTACTS :Stephen L. Stern, Forest Biometrician

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :County
 City
 Zip code
 State
 :County, zip code
 :Tabular, county, state, industry, alphabetic
 :Interactive video display capability
 MINIMUM RESOLUTION :Primary
 DATA STORAGE FORMAT :High
 OUTPUT PRODUCTS :Continuous
 DATA SOURCES :Capacity and some other plant information is published only in summarized form unless permission is granted by individual company
 LEVEL OF RELIABILITY :Bureau of Forestry classification of wood-using industries
 UPDATE FREQUENCY :Confidentiality
 CONFIDENTIALITY :Bureau of Forestry classification of wood-using industries
 CLASSIFICATION =====

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500
 DURRHOUGHS B-20
 BURROUGHS 6700
 RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (Forestry is a unit of DER)
 Other facilities used - Bloomsburg State College for access of PA Fish and Wildlife Data Base; USES, Fort Collins Computer Center; University of MI, University of MN
 OPERATION :Batch and interactive
 GIS CAPABILITY :Partial

USER FEES POLICY :Information is generally not provided
 DATE OF INFORMATION :7/25/83
 PAPER FILE NUMBER :PA8

IN-HOUSE FACILITIES

OPERATING SYSTEM :NCP 3.2
 SYSTEM CAPACITY :Main memory: 6 million Bytes
 Disc storage: 3600 million Bytes
 Simultaneous users supported: 125 approx.
 LANGUAGE(S) :ALGOL
 FORTRAN
 BASIC
 COBOL
 SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10
 SPSS
 Forestry's self developed DBMS
 PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest industries - mailing list and industry directory; name, address, industry type, capacity

CODE :PA003-07

STATE :PA
DATA BASE NAME :Snowmobile Registration
SUBJECT COVERAGE :Off-road vehicle registration
GEOGRAPHIC COVERAGE :Statewide
AGENCY :PA Bureau of Forestry
RESPONDENT :Kenneth N. Hickok, Section Chief
Biometrics Section
Bureau of Forestry
PA Department of Environmental Resources
Evangelical Press Building, Third and Reilly Streets
PO Box 1467
Harrisburg, PA 17120
Telephone: 717-783-3444
OTHER CONTACTS :Stephen L. Stern, Forest Biometrician

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500
BURROUGHS B-20
BURROUGHS 6700
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned
by the Department of Environmental Resources (Forestry is a unit of DER)
Other facilities used - Bloomsburg State College for
access of PA Fish and Wildlife Data Base; USFS, Fort
Collins Computer Center; University of NI, University
of MN
OPERATION :Batch and interactive
GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2
SYSTEM CAPACITY :Main memory: 6 million Bytes
Disc storage: 3600 million Bytes
Simultaneous users supported: 125 approx.
LANGUAGE(S) :ALGOL
FORTRAN
BASIC
COBOL
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10
SPSS
Forestry's self developed DBMS
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small
flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -
off-road vehicle registration; make and model, regis-
tration number, dealer registration, manufacturer
number

GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :County
City
Zip code
County
Tabular, county, registration number
Interactive video display capability
Primary
High
Continuous

MINIMUM RESOLUTION
DATA STORAGE FORMAT
OUTPUT PRODUCTS
DATA SOURCES
LEVEL OF RELIABILITY
UPDATE FREQUENCY
=====

USER FEES POLICY :Information is generally not provided
DATE OF INFORMATION :7/23/83
PAPER FILE NUMBER :PA8

ORIGINAL PAGE IS
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CODE :PA003-08

STATE :PA
DATA BASE NAME :PA Bureau of Forestry File Holdings
SUBJECT COVERAGE :Forest resources
GEOGRAPHIC COVERAGE :Statewide
AGENCY :PA Bureau of Forestry
RESPONDENT :Kenneth H. Hickok, Section Chief
 Biometrics Section
 Bureau of Forestry
 PA Department of Environmental Resources
 Evangelical Press Building, Third and Heilly Streets
 PO Box 1467
 Harrisburg, PA 17120
 Telephone: 717-783-3444
OTHER CONTACTS :Stephen L. Sterner, Forest Biometrician

COMPUTER FACILITIES

COMPUTER(S) :ECS 4500
 BURROUGHS 8-20
 BURROUGHS 6700
RESIDENCE :In-house - Bureau of Forestry utilizes computer owned by the Department of Environmental Resources (Forestry is a unit of DER)
 Other facilities used - Bloomsburg State College for access of PA Fish and Wildlife Data Base; USFS, Fort Collins Computer Center; University of MI, University of MN
OPERATION
GIS CAPABILITY :Batch and interactive
 :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2
SYSTEM CAPACITY :Main memory: 6 million Bytes
 Disc storage: 3600 million Bytes
 Simultaneous users supported: 125 approx.
LANGUAGE(S) :ALGOL
 FORTRAN
 BASIC
 COBOL
SPECIALIZED SOFTWARE :TEKTRONIX PLOT 10
 SPSS
 Forestry's self developed DUMS
PERIPHERAL DEVICES :Numonics electronic planimeter/digitizer, small flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources -
 Cooperative Forest Management (CFM) Program accomplishment report, trend analysis, forest fire statistics, fire warden directory, submit analysis, nursery inventory, survey traverse computation

GEOGRAPHIC COVERAGE
GEOGRAPHIC REFERENCE
MINIMUM RESOLUTION
DATA STORAGE FORMAT
OUTPUT PRODUCTS
DATA SOURCES
LEVEL OF RELIABILITY
UPDATE FREQUENCY

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DOCUMENTATION :General information available
USER FEES POLICY :Information is usually not provided
DATE OF INFORMATION :7/25/83
PAPER FILE NUMBER :PAB

ORIGINAL PAGE IS
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CODE :PA004-01

CODE :PA005-01

STATE :PA
 DATA BASE NAME :PA Stream and Lake Inventory
 SUBJECT COVERAGE :Streams and lakes, properties and species present
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :PA Fish Commission
 RESPONDENT :Richard A. Snyder, Chief, Fisheries Management Section
 PA Fish Commission
 405 Robinson Lane
 Bellefonte, PA 16823-9616
 Telephone: 814-359-2754
 OTHER CONTACTS :Robert Lahr, Chief, Statistical Services

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 RESIDENCE :PA State University, University Park, PA
 OPERATION :Batch and Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water - streams and lakes; species (fish, plants, invertebrates), chemical properties, social properties, physical properties, use and harvest
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific (individual lake or section of stream)
 DATA STORAGE FORMAT :Card image
 OUTPUT PRODUCTS :Tables, graphics, modelling capability, statistical summaries, computer tape, availability on a customized basis
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Depends on inventory cycle of individual area
 BIOLOGIST :
 CONFIDENTIALITY :PA Fish Commission controls access
 CLASSIFICATION :System for allocating catchable-sized trout to stream sections
 COMMENTS :The PA Fish Commission is a rather small agency within the Commonwealth, and is funded mainly through the sale of fishing licenses rather than general appropriations. Staff size is small and dissemination of information is limited. Requests will be considered on a case-by-case basis.

USER FEES POLICY :Depends on the user group, volume and present work load
 DATE OF INFORMATION :7/25/83
 PAPER FILE NUMBER :PA10

STATE :PA
 DATA BASE NAME :Delaware Valley Regional Planning Commission Data Base
 SUBJECT COVERAGE :Census, land use, employment, transportation data, etc.
 GEOGRAPHIC COVERAGE :Philadelphia and Trenton SMSA's
 AGENCY :Delaware Valley Regional Planning Commission
 RESPONDENT :William L. Greene, Director, Regional Information Services Center
 Delaware Valley Regional Planning Commission
 The Bourse Building, 21 South Fifth Street
 Philadelphia, PA 19106
 Telephone: 215-592-1800

COMPUTER FACILITIES

COMPUTER(S) :IBM 4331
 RESIDENCE :In-house

IN-HOUSE FACILITIES

OPERATING SYSTEM :VM/CMS
 SYSTEM CAPACITY :Main memory: 2 Meg
 Disc storage: 800 million Bytes
 Simultaneous users supported: 20
 LANGUAGE(S) :COBOL
 FORTRAN
 PL/I

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - census data, employment
 GEOGRAPHIC COVERAGE :Philadelphia and Trenton standard metropolitan service areas

DATA CATEGORY NAME :Land use
 GEOGRAPHIC COVERAGE :Philadelphia and Trenton standard metropolitan service areas

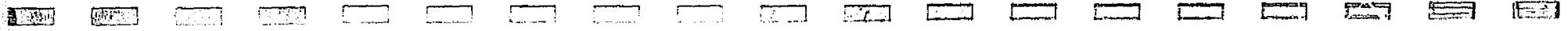
DATA CATEGORY NAME :Transportation
 GEOGRAPHIC COVERAGE :Philadelphia and Trenton standard metropolitan service areas

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DATE OF INFORMATION :7/22/83
 PAPER FILE NUMBER :PA12

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PA004-01
 PA005-01



CODE :PA006-01

STATE :PA
 DATA BASE NAME :SEDA-Council of Governments Data Base
 DATA BASE ACRONYM :SEDA-COG
 SUBJECT COVERAGE :Natural resources, mineral resources, land uses
 GEOGRAPHIC COVERAGE :Central PA, includes Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
 AGENCY :SEDA-Council of Governments
 RESPONDENT :Thomas P. Bresenhan, Senior Program Analyst
 SEDACouncil of Governments
 R.D. 1
 Lewisburg, PA 17837
 Telephone: 717-524-4491
 OTHER CONTACTS :D. Robinson, Executive Director

COMPUTER FACILITIES

COMPUTER(S) :TANDY
 TRS
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Disc storage: 40 Megabytes
 LANGUAGE(S) :BASIC
 :PASCAL
 :COBOL
 PERIPHERAL DEVICES :Line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - populations
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Not geographically referenced
 MINIMUM RESOLUTION :Township
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Geology - physiography, surficial geology

GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Not geographically referenced
 MINIMUM RESOLUTION :Township
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Environmental quality - hazardous wastes
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Not geographically referenced
 MINIMUM RESOLUTION :Township
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Surface water - flooding, floodplains, flood prone areas
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Not geographically referenced
 MINIMUM RESOLUTION :Township
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Land cover - forest land, cropland, pasture, urban/built-up
 GEOGRAPHIC COVERAGE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Not geographically referenced
 MINIMUM RESOLUTION :Township

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PA006-01

DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Varies

DATA CATEGORY NAME :Boundaries -
GEOGRAPHIC COVERAGE :counties, townships, census blocks, watersheds, river basins, regional planning districts
GEOGRAPHIC REFERENCE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
MINIMUM RESOLUTION :Latitude/longitude
DATA STORAGE FORMAT :Not geographically referenced
OUTPUT PRODUCTS :Township
DATA SOURCES :Tabular
LEVEL OF RELIABILITY :Tables
UPDATE FREQUENCY :Primary and secondary
:Moderate
:Varies

DATA CATEGORY NAME :Soils data -
GEOGRAPHIC COVERAGE :series, capability class
GEOGRAPHIC REFERENCE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
MINIMUM RESOLUTION :Latitude/longitude
DATA STORAGE FORMAT :Not geographically referenced
OUTPUT PRODUCTS :Township
DATA SOURCES :Tabular
LEVEL OF RELIABILITY :Tables
UPDATE FREQUENCY :Primary and secondary
:Moderate
:Varies

DATA CATEGORY NAME :Topography -
GEOGRAPHIC COVERAGE :elevation, slope
GEOGRAPHIC REFERENCE :Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
MINIMUM RESOLUTION :Latitude/longitude
DATA STORAGE FORMAT :Not geographically referenced
OUTPUT PRODUCTS :Township
DATA SOURCES :Tabular
LEVEL OF RELIABILITY :Tables
UPDATE FREQUENCY :Primary and secondary
:Moderate
:Varies

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DATA CATEGORY NAME

:Energy -
resources - coal/lignite, ownership, production, surficial geology, bedrock geology, watershed boundaries, township boundaries
:Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
:State Plane Coordinates
:2-5 acres, township
:Grid
:Maps - variable scale
:Secondary
:Moderate
:Varies

DATA CATEGORY NAME

:Land use -
livestock production, transportation, urban/built-up, parks, ownership (public vs private), township boundaries
:Centre, Clinton, Columbia, Juniata, Lycoming, Mifflin, Montour, Northumberland, Perry, Snyder, and Union Counties
:Not geographically referenced
:County
:Township
:Maps - variable scale
:Secondary
:Moderate
:Every 5 years, last update 1976

DOCUMENTATION

:SEDA-COG Map Inventory (1975)

USER FEES POLICY

:Fees are charged on a cost recovery basis, and depend on the job and the client

DATE OF INFORMATION :9/28/83

PAPER FILE NUMBER :PA19

PA006-01
(cont.)

CODE :PA007-01

STATE :PA
DATA BASE NAME :PA Abandoned Mine Lands Inventory
SUBJECT COVERAGE :Information on abandoned coal mine land
GEOGRAPHIC COVERAGE :Statewide
STATUS :Currently incomplete
AGENCY :PA Department of Environmental Resources
RESPONDENT :J. Dixon Earley, Director
Bureau of Abandoned Mine Reclamation
PA Department of Environmental Resources
PO Box 1467
Harrisburg, PA 17120
Telephone: 717-783-7992
OTHER CONTACTS :Daniel M. Henry, Hydraulic Engineer
Telephone: 717-787-7669

COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS B-6700
RESIDENCE :Central government computer center
CIS CAPABILITY :Yes

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Abandoned mine land -
GEOGRAPHIC COVERAGE :Location, type, nature of abandoned coal mine features
GEOGRAPHIC REFERENCE :Statewide
MINIMUM RESOLUTION :Latitude/longitude
OUTPUT PRODUCTS :Site specific
DATA SOURCES :Tables, statistical summaries
LEVEL OF RELIABILITY :Primary and secondary
UPDATE FREQUENCY :Moderate
COMMENTS :Data has not been updated to date and updating procedures have not been fully developed
Data are part of a national abandoned mine lands inventory prepared by the federal Office of Surface Mining

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DOCUMENTATION :Not yet completed
USER FEES POLICY :No policy established
DATE OF INFORMATION :7/22/83
PAPER FILE NUMBER :PA25

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STATE :PA
 DATA BASE NAME :Picture-Rocks-Sonestown Trace Elements
 SUBJECT COVERAGE :Geology
 GEOGRAPHIC COVERAGE :Catskill Formation
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :John H. Barnes, Geologist
 Bureau of Topographic and Geologic Survey
 PA Department of Environmental Resources
 101 South Second Street
 PO Box 2357
 Harrisburg, PA 17120
 Telephone: 717-787-5897

COMPUTER FACILITIES

COMPUTER(S) :APPLE II
 RESIDENCE :In-house
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS, CP/N
 SYSTEM CAPACITY :Main memory: 64 K
 Disc storage: 280 K
 Simultaneous users supported: 1
 LANGUAGE(S) :BASIC APPLESOFT
 Assembler
 SPECIALIZED SOFTWARE :DB Master
 dBASE II
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,
 line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 bedrock geology, geographic data, field data, trace
 element data
 GEOGRAPHIC COVERAGE :Catskill Formation (parts of Sullivan and Lycoming
 Counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Data will be published in a book
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :One-time project
 CONFIDENTIALITY :Data were compiled for a report to be published, and
 may not be released prior to publication

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USER FEES POLICY :Data bases are maintained for in-house use only
 DATE OF INFORMATION :7/11/83
 PAPER FILE NUMBER :PA28

STATE :PA
 DATA BASE NAME :PA Mineral List
 SUBJECT COVERAGE :Geology
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :John H. Barnes, Geologist
 Bureau of Topographic and Geologic Survey
 PA Department of Environmental Resources
 101 South Second Street
 PO Box 2357
 Harrisburg, PA 17120
 Telephone: 717-787-5897

COMPUTER FACILITIES

COMPUTER(S) :APPLE II
 RESIDENCE :In-house
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS, CP/N
 SYSTEM CAPACITY :Main memory: 64 K
 Disc storage: 280 K
 Simultaneous users supported: 1
 LANGUAGE(S) :BASIC APPLESOFT
 Assembler
 SPECIALIZED SOFTWARE :DB Master
 dBASE II
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer,
 line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 bedrock geology, minerals found in PA,
 JCPDS X-Ray data
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Not geographically referenced
 MINIMUM RESOLUTION :Not geographically referenced
 DATA STORAGE FORMAT :Tabular, by mineral name
 OUTPUT PRODUCTS :Statistical summaries
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :JCPDS data annually, mineral data sporadically
 CONFIDENTIALITY :Mineral data may not be released prior to publication
 In book form. JCPDS data is copyrighted and purchased
 by the Geological Survey solely for their in-house use

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USER FEES POLICY :Data bases are maintained for in-house use only
 DATE OF INFORMATION :7/11/83
 PAPER FILE NUMBER :PA28

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CODE :PA008-03

STATE :PA
 DATA BASE NAME :Directory of Mineral Industry (Non-fuel)
 SUBJECT COVERAGE :Geology
 GEOGRAPHIC COVERAGE :Statewide, eventually
 STATUS :Expected date of automation 1983, however automation has not yet begun
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :John H. Barnes, Geologist
 Bureau of Topographic and Geologic Survey
 PA Department of Environmental Resources
 101 South Second Street
 PO Box 2357
 Harrisburg, PA 17120
 Telephone: 717-787-5897

COMPUTER FACILITIES

COMPUTER(S) :APPLE II
 RESIDENCE :In-house
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS, CP/M
 SYSTEM CAPACITY :Main memory: 64 K
 Disc storage: 280 K
 Simultaneous users supported: 1
 LANGUAGE(S) :BASIC APPLESOFT
 Assembler
 SPECIALIZED SOFTWARE :DB Master
 dBASE II
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer, line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology - exploration/extraction
 GEOGRAPHIC COVERAGE :Statewide, eventually
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, will be published in book form
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Unknown at present
 UPDATE FREQUENCY :Annual anticipated
 CONFIDENTIALITY :Certain data specific to individual sites will be confidential

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USER FEES POLICY :Data bases are maintained for in-house use only
 DATE OF INFORMATION :7/11/83
 PAPER FILE NUMBER :PA2B

STATE :PA
 DATA BASE NAME :Reading Prong
 SUBJECT COVERAGE :Geology
 GEOGRAPHIC COVERAGE :An area in southeastern PA
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :John H. Barnes, Geologist
 Bureau of Topographic and Geologic Survey
 PA Department of Environmental Resources
 101 South Second Street
 PO Box 2357
 Harrisburg, PA 17120
 Telephone: 717-787-5897

COMPUTER FACILITIES

COMPUTER(S) :APPLE II
 RESIDENCE :In-house
 OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :APPLE DOS, CP/M
 SYSTEM CAPACITY :Main memory: 64 K
 Disc storage: 280 K
 Simultaneous users supported: 1
 LANGUAGE(S) :BASIC APPLESOFT
 Assembler
 SPECIALIZED SOFTWARE :DB Master
 dBase II
 PERIPHERAL DEVICES :Monochrome graphics CRT, mechanical digitizer, line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology - field, chemical, mineral, trace-element
 GEOGRAPHIC COVERAGE :An area in southeastern PA (parts of Northampton, Lehigh, and Berks Counties)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics, data will be published in book form
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :One-time project
 CONFIDENTIALITY :Data were compiled for a report to be published, and may not be released prior to publication

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USER FEES POLICY :Data bases are maintained for in-house use only
 DATE OF INFORMATION :7/11/83
 PAPER FILE NUMBER :PA2B

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PA008-03
PA008-04

CODE :PA009-01

STATE	:PA	DATA CATEGORY NAME	:Groundwater - well location
DATA BASE NAME	:Water Resources Data System	GEOGRAPHIC COVERAGE	:Statewide
SUBJECT COVERAGE	:Historic and projected populations, water use, abandoned mine problem areas, reservoirs, stream encroachments, fishing and boating use	GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator
GEOGRAPHIC COVERAGE	:Statewide	MINIMUM RESOLUTION	:Management unit, site specific
AGENCY	:PA Department of Environmental Resources	DATA STORAGE FORMAT	:Tabular
RESPONDENT	:William A. Gast, Chief, State Water Plan Division Bureau of Water Resources Management PA Department of Environmental Resources 212 Evangelical Press Building PO Box 1467 Harrisburg, PA 17120 Telephone: 717-787-5008	OUTPUT PRODUCTS	:Computer tape
OTHER CONTACTS	:Thomas Denslinger, Chief, Water Use and Allocation Section Telephone: 717-787-5009 Robert Elliott, Computer Operations Telephone: 717-787-5008	DATA SOURCES	:Primary
		LEVEL OF RELIABILITY	:Low
		UPDATE FREQUENCY	:Continuous
<hr/>			
		DATA CATEGORY NAME	:Demography - populations (historic and projected)
		GEOGRAPHIC COVERAGE	:Statewide
		GEOGRAPHIC REFERENCE	:Municipality
		MINIMUM RESOLUTION	:Township
		DATA STORAGE FORMAT	:Tabular
		OUTPUT PRODUCTS	:Tables, modelling capability, computer tape
		DATA SOURCES	:Primary and secondary
		LEVEL OF RELIABILITY	:High to moderate
		UPDATE FREQUENCY	:Every 10 years
<hr/>			
		DATA CATEGORY NAME	:Wildlife - fish - game and non-game, boating usage
		GEOGRAPHIC COVERAGE	:Statewide
		GEOGRAPHIC REFERENCE	:Stream
		MINIMUM RESOLUTION	:Watershed or river basin
		DATA STORAGE FORMAT	:Tabular
		OUTPUT PRODUCTS	:Tables, computer tape
		DATA SOURCES	:Secondary
		LEVEL OF RELIABILITY	:High to moderate
		UPDATE FREQUENCY	:As needed and funds allow
<hr/>			
		DATA CATEGORY NAME	:Abandoned mine land - problem areas
		GEOGRAPHIC COVERAGE	:Statewide
		GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator
		MINIMUM RESOLUTION	:Management unit
		DATA STORAGE FORMAT	:Tabular
		OUTPUT PRODUCTS	:Statistical summaries, computer tape
		DATA SOURCES	:Primary
		LEVEL OF RELIABILITY	:High to moderate
		UPDATE FREQUENCY	:Continuous
		COMMENTS	:Data are supplied to the Bureau of Surface Mining

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DATA CATEGORY NAME :Water use -
public water supply, agricultural livestock, agricultural irrigation, mineral industry, manufacturing industry, self-supplied domestic, power generation cooling
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
Universal Transverse Mercator
MINIMUM RESOLUTION :Ownership unit, site specific
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, computer tape
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Annually, biennially, every 5 years

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DOCUMENTATION :Will be available within one year
USER FEES POLICY :Fees are charged for all products and services according to a fee schedule
DATE OF INFORMATION :7/11/83
PAPER FILE NUMBER :PA29

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PA009-01
(cont.)

CODE :PA010-01

STATE :PA
 DATA BASE NAME :Water Well Inventory
 SUBJECT COVERAGE :Groundwater, subsurface geology
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :Alan R. Geyer, Chief, Environmental Geology Division
 Bureau of Topographic and Geologic Survey
 PA Department of Environmental Resources
 101 South Second Street
 PO Box 2357
 Harrisburg, PA 17120
 Telephone: 717-787-5828
 OTHER CONTACTS :Dr. Arthur A. Socolow, State Geologist
 Telephone: 717-787-2169
 Donna M. Snyder, Administrator
 Telephone: 717-787-5828

COMPUTER FACILITIES

COMPUTER(S) :APPLE II
 TEKTRONIX 40/50
 BURROUGHS 8-6700
 RESIDENCE :Department of Environmental Resources Computer Facility
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (2), mechanical digitizer, line printer (character graphics), hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater - quantity, discharge/pumpage, well location, well ownership, well use, well construction, depths and yields
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 County
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Statistical summaries, computer printouts
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuous
 COMMENTS :Data are supplied to USGS - WATSTORE

DATA CATEGORY NAME :Geology - physiography, surficial geology, bedrock geology, depth to bedrock, geologic log
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Public Land Survey
 County
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Statistical summaries, computer printouts
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuous

DOCUMENTATION :"A Guide to DER's Bureau of Topographic and Geologic Survey WELL DATA SYSTEM an Inventory of Water Well Information" (1975)
 USER FEES POLICY :Fees are charged for products only
 DATE OF INFORMATION :7/8/83
 PAPER FILE NUMBER :PA30

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CODE :PA011-01

STATE :PA
 DATA BASE NAME :Integrated Flood Observing and Warning System
 DATA BASE ACRONYM :IFLOWS
 SUBJECT COVERAGE :Remote flash flood forecast and monitoring
 GEOGRAPHIC COVERAGE :Three major river basins in PA, the Upper Delaware, the Susquehanna, and the Ohio Basins, includes 16 counties
 AGENCY RESPONDENT :PA Emergency Management Agency
 :Ronald K. Bodnar, Planning Analyst
 :PA Emergency Management Agency
 :PO Box 3321
 :Harrisburg, PA 17105
 :Telephone: 717-783-8150
 OTHER CONTACTS :Craig Williamson, Deputy Director

COMPUTER FACILITIES

COMPUTER(S) :DEC PDP 11/23
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RT-11, Vol 4 and TSX+, Vol 2.1
 LANGUAGE(S) :BASIC
 SPECIALIZED SOFTWARE :RAIN (user software designed for IFLOWS)
 PERIPHERAL DEVICES :Monochrome graphics CRT, line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water - flooding, flood forecasting
 GEOGRAPHIC COVERAGE :Sixteen counties/three major river basins
 (Butler, Armstrong, Allegheny, Westmoreland, Somerset, Cambria, Centre, Union, Mifflin, Clinton, Lycoming, Luzerne, Lackawanna, Wayne, Pike, and Monroe Counties)
 (Upper Delaware, Susquehanna, and Ohio Basins)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous

DATA CATEGORY NAME :Climate/weather - rainfall, natural disasters, flash flood forecasting, rainfall analyses

GEOGRAPHIC COVERAGE :Sixteen counties/three major river basins
 (Butler, Armstrong, Allegheny, Westmoreland, Somerset, Cambria, Centre, Union, Mifflin, Clinton, Lycoming, Luzerne, Lackawanna, Monroe, Wayne, and Pike Counties)
 (Upper Delaware, Susquehanna and Ohio Basins)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Statistical summaries
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous

DOCUMENTATION :Newsletter, "RAIN (Software) User Guide"
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :9/19/83
 PAPER FILE NUMBER :PA31

ORIGINAL PAGE IS
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CODE :PA012-01

STATE :PA
 DATA BASE NAME :PA Emission Data System
 DATA BASE ACRONYM :PEDS
 SUBJECT COVERAGE :Air quality
 GEOGRAPHIC COVERAGE :Statewide, except Philadelphia
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :John Walker, Air Quality Program Specialist
 Bureau of Air Quality Control
 PA Department of Environmental Resources
 Fulton Bank Building
 200 North Third Street
 Harrisburg, PA 17120
 Telephone: 717-787-4324
 OTHER CONTACTS :Pat Buohl, Computer Systems Analyst
 David Sheets, Chief, Information Processing

COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS B-6700
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2
 SYSTEM CAPACITY :Main memory: 6,291,450 Bytes
 Disk storage: 3,681,582 Bytes
 Simultaneous users supported: 100 maximum,
 50 practical limit
 LANGUAGE(S) :COBOL
 FORTRAN
 ALGOL
 BASIC
 SPECIALIZED SOFTWARE :BURROUGHS DMS II
 SPSS
 SYMAP
 BPRINTMCS
 GENCOS
 TEXTRONIX IGL (to be installed)
 PERIPHERAL DEVICES :Hard copy terminal, alphanumeric CRT's (approx
 71), auxiliary printers (approx 23), misc. (10)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
 air quality, point pollution, plant characteristics,
 air emissions, source description, source operation,
 fuel data, control devices (air pollution control
 equipment), stack parameters
 GEOGRAPHIC COVERAGE :Statewide, except Philadelphia, (Allegheny County has
 an independent county agency also)

GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 UTM includes Zone designator (10 meter precision)
 County
 Municipality (township, borough, city)
 :Site specific
 :Tabular
 :Interactive video display capability (in-house only),
 computer tape (limited availability), fixed and variable
 format reports through batch processing
 :Primary
 :Moderate
 :Annual. Dual data base, new data base created each
 year for update. Completed data base available for
 reporting. Archive data bases on microfiche.
 :At request of source owner, certain data may be
 excluded from public reports
 :Facilities classified according to total plant emissions
 :Data are supplied to EPA/NEDS

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DOCUMENTATION :Available on data structure, data encoding format/procedure, general information, and software (partially completed)
 "Procedures Guide" Pennsylvania Emission Data System, Fourth Edition, June 1982. (a reference and instruction manual for the use of Air Quality field staff)
 USER FEES POLICY :Fees are charged on a cost recovery basis
 DATE OF INFORMATION :8/1/83
 PAPER FILE NUMBER :PA39

ORIGINAL PAGE IS
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PA012-01

CODE :PA013-01

STATE :PA
 DATA BASE NAME :Solid Waste Activity Monitoring
 DATA BASE ACRONYM :SWAM
 SUBJECT COVERAGE :Hazardous waste facilities and shipments
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :Gary Galida, Chief, Division of Hazardous Waste Management
 Bureau of Solid Waste Management
 PA Department of Environmental Resources
 Fulton Bank Building
 200 North Third Street
 PO Box 2063
 Harrisburg, PA 17120
 Telephone: 717-787-7381

OTHER CONTACTS :Donald A. Lazarchik, Director, Bureau of Solid Waste Management
 Telephone: 717-787-9870
 Keith C. Kerns, Solid Waste Program Specialist
 Telephone: 717-787-9871
 Gerald L. Miller, Project Spvrs., Bureau of Information Systems
 Telephone: 717-783-9592

COMPUTER FACILITIES

COMPUTER(S) :BURROUGHS B-6805
 RESIDENCE :In-house
 OPERATION :Batch and interactive
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :MCP 3.2 - 3.3
 SYSTEM CAPACITY :Main memory: 6.1 million Bytes
 Disc storage: 2 billion Bytes
 Simultaneous users supported: 40 - 50

LANGUAGE(S) :COBOL
 FORTRAN

SPECIALIZED SOFTWARE :IGL
 DNS II
 SPSS
 SYMAP

PERIPHERAL DEVICES :Nonochrome alpha-numeric CRT's (125), line printers (alpha-numeric) (2), remote printers (alpha-numeric) (25)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - hazardous waste: facility records, hazardous waste descriptions, shipments

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Not geographically referenced
 Files contain general information: county, town, zip code, street address

MINIMUM RESOLUTION :County
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Statistical summaries, computer tape, files

DATA SOURCES :Primary and secondary

LEVEL OF RELIABILITY :High

UPDATE FREQUENCY :Continuous

CONFIDENTIALITY :Some information in the system is not available to the public

COMMENTS :Data are supplied to EPA Hazardous Waste Information System

DOCUMENTATION :General information is available (documentation is not available to the public)

USER FEES POLICY :Computer output/information (printouts, tapes) are not provided to the public, but are available for review at the address listed above. (Printouts only, no on-line access)

DATE OF INFORMATION :7/12/83
 PAPER FILE NUMBER :PA42

ORIGINAL PAGE IS
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CODE :PA014-01

CODE :PA015-01

STATE :PA
 DATA BASE NAME :State Park Basic Information Data System
 DATA BASE ACRONYM :BIDS
 SUBJECT COVERAGE :Recreation - State Park statistical and descriptive information
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :Dr. Charles H. Strauss, Assoc. Professor of Forest Economics, PA State University
 Bureau of State Parks
 PA Department of Environmental Resources
 Evangelical Press Building, Third and Reilly Streets
 Harrisburg, PA 17120
 Telephone: 814-865-4574

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
 RESIDENCE :PA State University, University Park, PA
 OPERATION :Batch
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Black and white CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -
 State Parks; land acres, water acres, dams, shoreline miles, stream miles, facilities, historic structures, tree nursery acres, park infrastructure
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Not geographically referenced
 MINIMUM RESOLUTION :Township
 OUTPUT PRODUCTS :Statistical summaries
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Unknown
 UPDATE FREQUENCY :Annual

STATE :PA
 DATA BASE NAME :Permit Files
 SUBJECT COVERAGE :Geology - mining
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Currently being automated
 AGENCY :PA Department of Environmental Resources
 RESPONDENT :Robert W. Agnew, Mining Permit and Compliance Specialist
 Bureau of Mining and Reclamation
 PA Department of Environmental Resources
 Fulton Bank Building, 200 North Third Street
 P.O. Box 2063
 Harrisburg, PA 17120
 Telephone: 717-783-8846

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 exploration/extraction - permitted surface and underground mining sites (hydrologic data and geologic data)
 GEOGRAPHIC COVERAGE :Statewide

DATE OF INFORMATION :3/28/83
 PAPER FILE NUMBER :PA23

ORIGINAL PAGE IS
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DOCUMENTATION :General information available
 "Basic Information Data System Guidelines"
 USER FEES POLICY :Services contracted for by Bureau of State Parks, from
 PA State University
 DATE OF INFORMATION :7/12/83
 PAPER FILE NUMBER :PA43

PA014-01
 PA015-01

CODE :PA016-01

CODE :PA017-01

STATE :PA
DATA BASE NAME :Air Quality Permit Application System
SUBJECT COVERAGE :Environmental quality - air
AGENCY :PA Department of Environmental Resources
RESPONDENT :Douglas L. Lasher
Bureau of Air Quality Control
PA Department of Environmental Resources
Fulton Bank Building, 200 North Third Street
Harrisburg, PA 17120
Telephone: 717-787-4324

STATE :PA
DATA BASE NAME :PA Recreation Inventory
SUBJECT COVERAGE :Recreation
AGENCY :PA Department of Environmental Resources
RESPONDENT :Robert Raves
Bureau of Environmental Planning
PA Department of Environmental Resources
Fulton Bank Building, 200 North Third Street
Harrisburg, PA 17120
Telephone: 717-787-7395

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
air quality, location, emissions, actions

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -
name, ownership, acreage, water acreage, stream miles,
facilities, conservation areas, use

DATE OF INFORMATION :1/31/83
PAPER FILE NUMBER :PA38

DATE OF INFORMATION :1/31/83
PAPER FILE NUMBER :PA41

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PA016-01
PA017-01

CODE :PA018-01

STATE :PA
DATA BASE NAME :PA State Data Center
DATA BASE ACRONYM :PSDC
SUBJECT COVERAGE :Demographic data
GEOGRAPHIC COVERAGE :Statewide
STATUS :The PSDC has been established through an Executive Order issued by Governor Thornburgh; the objective is to provide a coordinated means for ready access to statistical products and related services.

Products and services available through the PSDC are:
Census Bureau printed reports, microfiche, and reference maps
PSDC printed reports
Consultation on data availability and use
Computer tape processing
Demographic and geographic profiles
Statistical analyses
Statistical mapping and geoprocessing

The PSDC is currently, (December 1982), developing a new tool, Geo-DAS, which stands for Geographic Data Access System. Scheduled for completion in February 1983, Geo-DAS will enable the PSDC to provide data for user defined geographic areas such as corridors, sectors, or rings. Geo-DAS will be extremely useful for applications such as facility siting, neighborhood planning, marketing, emergency management and environmental impact analysis.

AGENCY RESPONDENT :PA Institute of State and Regional Affairs (ISRA)
:The PA State Data Center

Institute of State and Regional Affairs
The Pennsylvania State University
The Capitol Campus
Middletown, PA 17057

Telephone: 717-948-6336

OTHER CONTACTS :A network of Affiliate Data Centers are located across the Commonwealth
:Irving Hand, Director, ISRA
Robert Surridge, Assistant Director, ISRA

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -
population, housing, agriculture, manufacturing,
retail and wholesale trade, governments, etc.

GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :State
:County
:Municipality

OUTPUT PRODUCTS
DATA SOURCES

Census tract
:Printed reports, microfiche, computer files
:Secondary

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DOCUMENTATION :General information and a periodic newsletter are available
USER FEES POLICY :Fees are charged on a cost recovery basis
DATE OF INFORMATION :1/31/83
PAPER FILE NUMBER :PA36

ORIGINAL PAGE IS
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PA018-01

CODE :PRO01-01

STATE :PR
 DATA BASE NAME :Puerto Rico
 SUBJECT COVERAGE :Land use, land cover, forestry, climate/weather, surface water
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico
 AGENCY :NS Remote Sensing Center
 RESPONDENT :M. Frank Miller, Director
 NS Remote Sensing Center
 P.O. Drawer FR
 Mississippi State, MS 39762
 Telephone: 601-325-3760
 OTHER CONTACTS :Karen Minchew, Research Associate
 Telephone: 601-325-3760

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/80
 DG ECLIPSE S/130
 RESIDENCE :Mississippi State University computer center (UNIVAC 1100/80); in-house (DG ECLIPSE S/130)
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :RDOS
 SYSTEM CAPACITY :Main memory: 256K
 Disc storage: 90MB
 Simultaneous users supported: 2
 LANGUAGE(S) :FORTRAN
 Assembler
 SPECIALIZED SOFTWARE :Database manipulation/display package
 Suitability modelling package
 PERIPHERAL DEVICES :Color image display, 2 line following digitizers, electrostatic plotter, color graphics camera

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use - transportation, urban areas, proximity features
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced
 MINIMUM RESOLUTION :4 hectares
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Unknown
 CONFIDENTIALITY :Proximity variables all pertain to U.S. Forest Service

Continuous Forest Inventory (CFI) plot locations, and are subject to restricted access

DATA CATEGORY NAME :Forestry - Continuous Forest Inventory (CFI) plots, 1980 CFI forest survey station classifications
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico
 MINIMUM RESOLUTION :Ad hoc grid, unreferenced
 DATA STORAGE FORMAT :4 hectares
 OUTPUT PRODUCTS :Grid
 DATA SOURCES :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
 LEVEL OF RELIABILITY :Secondary
 UPDATE FREQUENCY :Moderate
 CONFIDENTIALITY :Every 10 years
 COMMENTS :CFI plot locations are subject to restricted access

DATA CATEGORY NAME :Land cover - water, cropland, pasture, land cover values for and near CFI plots
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico
 MINIMUM RESOLUTION :Ad hoc grid, unreferenced
 DATA STORAGE FORMAT :4 hectares
 OUTPUT PRODUCTS :Grid
 DATA SOURCES :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
 LEVEL OF RELIABILITY :Primary
 UPDATE FREQUENCY :Low
 CONFIDENTIALITY :Unknown
 CLASSIFICATION :CFI plot locations are subject to restricted access
 COMMENTS :Classification scheme developed in-house to conform with U.S. Forest Service specifications
 :Landsat MSS source data

DATA CATEGORY NAME :Climate/weather - atmospheric interference
 GEOGRAPHIC COVERAGE :Northwestern section of Puerto Rico
 GEOGRAPHIC REFERENCE :Ad hoc grid, unreferenced
 MINIMUM RESOLUTION :4 hectares
 DATA STORAGE FORMAT :Grid
 OUTPUT PRODUCTS :Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Unknown
 UPDATE FREQUENCY :Unknown

COMMENTS	:Landsat NSS source data
<hr/>	
DATA CATEGORY NAME	:Climate/weather - life zone boundaries
GEOGRAPHIC COVERAGE	:Northwestern section of Puerto Rico
GEOGRAPHIC REFERENCE	:Ad hoc grid, unreferenced
MINIMUM RESOLUTION	:4 hectares
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Unknown
UPDATE FREQUENCY	:Unknown
COMMENTS	:Last updated 1973
<hr/>	
DATA CATEGORY NAME	:Surface water hydrology
GEOGRAPHIC COVERAGE	:Northwestern section of Puerto Rico
GEOGRAPHIC REFERENCE	:Ad hoc grid, unreferenced
MINIMUM RESOLUTION	:4 hectares
DATA STORAGE FORMAT	:Grid
OUTPUT PRODUCTS	:Maps (one scale only), tables, computer tape, modeling capability, composite mapping, interactive video display capability
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:High
UPDATE FREQUENCY	:Unknown

DOCUMENTATION	:Descriptions of data structure and data types available
USER FEES POLICY	:Fees charged on a cost recovery basis
DATE OF INFORMATION	:7/25/83
PAPER FILE NUMBER	:NS2-5

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CODE :PRO02-01

STATE :PR
DATA BASE NAME :Hydrological Data Bank of Puerto Rico
SUBJECT COVERAGE :Climate/weather
GEOGRAPHIC COVERAGE :Statewide
AGENCY :PR Department of Natural Resources
RESPONDENT :Felix I. Aponte, Division Director
Water Division
PR Department of Natural Resources
P.O. Box 5887, Puerto De Tierra
San Juan, PR 00906
Telephone: 809-724-4418
OTHER CONTACTS :Gaddiel Ayala, Natural Resources Specialist

COMPUTER FACILITIES

COMPUTER(S) :IBM 370
 HONEYWELL 68
 PRIME 150
RESIDENCE :University of Puerto Rico, Rio Piedras (IBM 370);
 PR Department of Transportation and Public Works
 (HONEYWELL 68); in-house (PRIME 150)
OPERATION :Batch

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Televideo

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -
 wind, temperature, precipitation
GEOGRAPHIC COVERAGE :Statewide
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Computer tape, computer disk
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :High
COMMENTS :Data also routinely supplied to USGS/WATSTORE

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DOCUMENTATION :General information and descriptions of software and
 data encoding format/procedures available
USER FEES POLICY :No policy established
DATE OF INFORMATION :8/19/83
PAPER FILE NUMBER :PR4

ORIGINAL PAGE IS
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PRO02-01

CODE :PR003-01

STATE :PR
 DATA BASE NAME :Natural, Cultural and Environmental Resources Inventory
 DATA BASE ACRONYM :NCERI
 SUBJECT COVERAGE :Geology, surface water, land cover, land use, boundaries, soils data and topography
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra
 STATUS :A land use and natural resources inventory system was developed for the Commonwealth of Puerto Rico. The Puerto Rico Division of Scientific Inventory provided manpower to conduct field studies, assumed responsibility for data collection, and interpreted all data collected. Cornell University developed the codes and methodology for translating all information obtained into computer termin- so that it could be retrieved and analyzed in map or tab- ular form.
 AGENCY :PR Department of Natural Resources
 RESPONDENT :Alejandro Candelario, Division Director
 Office of the Scientific Inventory
 PR Department of Natural Resources
 Box 5887 Puerto de Tierra
 San Juan, PR 00906
 Telephone: 809-722-3571
 OTHER CONTACTS :Piedad Moruyta, Director, User Services Section
 Dr. Jose A. Diaz Pinero, Computer Center Director

COMPUTER FACILITIES

COMPUTER(S) :IBM 370
 RESIDENCE :University of Puerto Rico, Rio Piedras
 OPERATION :Batch
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Televideos (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology - bedrock geology
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)
 DATA STORAGE FORMAT :Grid, coordinate point
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Every 5 years, last update 1979

DATA CATEGORY NAME :Surface water - watershed boundaries, floodplains
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)
 DATA STORAGE FORMAT :Grid, coordinate point
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Every 5 years, last update 1979

DATA CATEGORY NAME :Land cover - barren land, forest land, water, wetlands, cropland, pasture, urban/built-up
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)
 DATA STORAGE FORMAT :Grid, coordinate point
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Every 5 years, last update 1979
 CLASSIFICATION :Cornell University - Land Use
 National Wetlands Classification

DATA CATEGORY NAME :Land use - cropland, transportation, urban/built-up, recreation, parks
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)
 DATA STORAGE FORMAT :Grid, coordinate point
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Every 5 years, last update 1979
 CLASSIFICATION :Cornell University - Land Use

DATA CATEGORY NAME :Boundaries - state, counties, townships, watersheds
 GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator
 MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)
 DATA STORAGE FORMAT :Grid, coordinate point
 OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries, computer tape

04

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DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Every 5 years, last update 1979

DATA CATEGORY NAME :Soils data -
 soil series, engineering characteristics, erosion
GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra
GEOGRAPHIC REFERENCE :Universal Transverse Mercator
MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)
DATA STORAGE FORMAT :Grid, coordinate point
OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries,
 computer tape
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Every 5 years, last update 1979

DATA CATEGORY NAME :Topography -
 elevation, slope
GEOGRAPHIC COVERAGE :Puerto Rico, Mona, Vieques, and Culebra
GEOGRAPHIC REFERENCE :Universal Transverse Mercator
MINIMUM RESOLUTION :1/4 square kilometer (61.68 acres)
DATA STORAGE FORMAT :Grid, coordinate point
OUTPUT PRODUCTS :Maps - variable scale, tables, statistical summaries,
 computer tape
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Every 5 years, last update 1979

DOCUMENTATION :Available on data structure, data encoding format/pro-
 cedure, and software
 "Natural, Cultural and Environmental Resources Inventory
 (NCERI) Report" (four volumes), Division of Scientific
 Inventory, Puerto Rico DNR, and the Center for Aerial
 Photographic Studies at Cornell University, Ithaca, NY
 January, 1973.

DATE OF INFORMATION :8/11/83
PAPER FILE NUMBER :PR3

CODE :PRO04-01

STATE	:PR	DOCUMENTATION	:Published bulletins: "Facts and Figures on Puerto Rico's Agriculture" "La Matanza de Ganado en Puerto Rico" (livestock butchering) "Ingreso Agricola de Puerto Rico" (agricultural income) "Ventas de Abonos en Puerto Rico" (fertilizer sales) "Boletin Mensual de Estadisticas Agricolas" (monthly bulletin of agricultural statistics)
DATA BASE NAME	:PR Department of Agriculture Files	DATE OF INFORMATION	:9/9/83
SURFACE COVERAGE	:Agriculture - business and non-commercial production	PAPER FILE NUMBER	:PR13
GEOGRAPHIC COVERAGE	:Regional		
STATUS	:During the past two years the Production and Analysis Division has been introducing a new computer system in their agency, while at the same time using the services of equipment shared with other governmental agencies. They are still in the process of installing this system and hope that it will be ready in less than a year. Although they do not have a relational data base, files exist.		
AGENCY RESPONDENT	:PR Department of Agriculture :Carmen R. Santana de Perez, Chief Division of Production and Analysis Office of Agricultural Statistics PR Department of Agriculture Stop 19, Fernandez Juncos Avenue PO Box 10163 Santurce, Puerto Rico 00908 Telephone: 809-721-2120		
OTHER CONTACTS	:Hilda Mulet, Director, Office of Agricultural Statistics		

COMPUTER FACILITIES

COMPUTER(S)	:PRINE 550 II
RESIDENCE	:Centralized Data Processing Center at Farm Credit Corporation
OPERATION	:Batch and interactive
GIS CAPABILITY	:No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Agriculture - business farm - value, prices, species, sales, weights, cattles to be slaughtered non-commercial production - land use, production, inventory, crops, home consumption
GEOGRAPHIC COVERAGE	:Regional
GEOGRAPHIC REFERENCE	:Public Land Survey
MINIMUM RESOLUTION	:Ownership unit, county, township
DATA STORAGE FORMAT	:Tabular
OUTPUT PRODUCTS	:Interactive video display capability, tables, computer tape
DATA SOURCES	:Primary
LEVEL OF RELIABILITY	:High
UPDATE FREQUENCY	:By semester and sometimes as required, last update January 1983
CONFIDENTIALITY	:Must request permission from the Secretary of Agriculture

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PRO04-01

CODE :R1001-01

STATE :RI
DATA BASE NAME :Landsat Remote Sensing Center - Geographic Information System

SUBJECT COVERAGE :Land cover/use, boundaries
GEOGRAPHIC COVERAGE :Statewide underway
STATUS :An ELAS land cover/use classification for the State of RI is being performed as a training project by the State with the Eastern Regional Remote Sensing Applications Center (ERRSAC) and the Landsat Remote Sensing Center at the Graduate School of Oceanography, University of RI. The land cover/use study is about 40 percent complete, with the expected date of completion being February 1984. A GIS that would cover the entire State of RI is still in the planning stages. It will be housed at URI and the University will be responsible for maintenance and updates. The system size, hardware requirements, and other details are still being discussed, but there seems to be available funding for such a project. Until the time that a GIS is implemented the ELAS package will operate as an effective GIS for a RI data base.

AGENCY RESPONDENT :University of RI
 Mr. Kim A. Richardson, Manager
 Landsat Remote Sensing Center
 Graduate School of Oceanography
 University of RI
 South Ferry Road
 Narragansett, RI 02882
 Telephone: 401-792-6179

OTHER CONTACTS :Dr. James Griffen, Director of Facilities
 Telephone: 401-792-6110

COMPUTER FACILITIES

COMPUTER(S) :PRIME 400
 PRIME 750

RESIDENCE :In-house (PRIME 400)
 Graduate School of Oceanography (PRIME 750)

OPERATION :Interactive

GIS CAPABILITY :Partial (a fully implemented GIS for URI/RI is still under consideration)

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS REV 19

SYSTEM CAPACITY :Main memory: 1.5 MB
 Disc storage: 300 MB
 Simultaneous users supported: 64

LANGUAGE(S) :FORTRAN
 Assembler
 PL/I/G
 PLP

SPECIALIZED SOFTWARE :ZETA
 NCAR
 VECTRIX
 BNDP
 SAS
 ELAS

PERIPHERAL DEVICES :VECTRIX VX384, monochrome graphics CRT's (4), color graphics CRT, SONIC digitizer, line printer (character graphics), dot matrix printer with graphics, drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Boundaries - state, counties, townships, watersheds, oceanographic
GEOPGRAPHIC COVERAGE	:Statewide underway
GEOPGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:1 acre, 10 acres, watershed or river basin
DATA STORAGE FORMAT	:Grid, polygon
OUTPUT PRODUCTS	:Tables, graphics, modelling capability, statistical summaries, interactive video display capability, computer tape
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Unknown
UPDATE FREQUENCY	:Not yet determined

DATA CATEGORY NAME	:Land cover/land use
GEOPGRAPHIC COVERAGE	:Statewide underway, currently 40 percent of the state
GEOPGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:1 acre, 10 acres, watershed or river basin
DATA STORAGE FORMAT	:Grid, polygon
OUTPUT PRODUCTS	:Tables, graphics, modelling capability, statistical summaries, interactive video display capability, computer tape
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Unknown
UPDATE FREQUENCY	:Not yet determined
COMMENTS	:Classification is being performed as a training project by the state with ERRSAC and the Landsat Remote Sensing Center

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DOCUMENTATION :General information is available
USER FEES POLICY :No policy established
DATE OF INFORMATION :8/3/83
PAPER FILE NUMBER :R15

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CODE :RI002-01

STATE :RI
DATA BASE NAME :RI Heritage Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Rhode Island and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :Department of Environmental Management
RESPONDENT :Rick Ensor, Coordinator/Botanist
RI-Heritage Program
Department of Environmental Management
Division of Planning and Development
83 Park Street
Providence, RI 02903
Telephone: 401-277-2776
OTHER CONTACTS :Chris Ralchel, Zoologist
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :RI6

CODE :SC001-01

STATE :SC
 DATA BASE NAME :SC Natural Resources Information System
 DATA BASE ACRONYM :SCNRIS
 SUBJECT COVERAGE :Land use/land cover, soils, topography, transportation, climate/weather, demography, geology, surface water, and boundaries
 GEOGRAPHIC COVERAGE :Most data are statewide, soils and transportation data are for special project areas
 STATUS :The University of SC Computer Services Division Graphics Section maintains an active role in the development and operation of automated cartographic techniques. Located in Columbia, SC, USC Computer Graphics consists of a team of professionals dedicated to the preparation of output products useful in management, development, and analysis of natural resources. One goal is the creation of a statewide data base. This system, the SC Natural Resources Information System (SCNRIS), will include such variables as landcover, soils, elevation, and roads. Data can be analyzed individually as single variable files or modeling techniques can be used with multi-variable files.
 AGENCY RESPONDENT :University of South Carolina
 :Gerald R. Minick, Research Forester
 :Computer Services Division
 :University of South Carolina
 :1244 Blossom Street
 :Columbia, SC 29208
 :Telephone: 803-777-7236
 OTHER CONTACTS :George Walters, Graphics Manager
 :Stan Lawrimore, Production Manager

COMPUTER FACILITIES

COMPUTER(S) :IBM PC
 :DG ECLIPSE MV4000
 :IBM 3033
 :AMDAHL 470/V6
 RESIDENCE OPERATION :In-house, University of SC Computer Center
 :Batch and interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :DATA GENERAL AOS
 SYSTEM CAPACITY :Main memory: 256 K words
 :Disc storage: 196 K
 :Simultaneous users supported: 16
 LANGUAGE(S) :FORTRAN
 :BASIC
 :Assembler
 SPECIALIZED SOFTWARE :ESRI
 :CALCOMP Routines

ELAS
 USC
 SAS
 SPSS
 SYMAP
 CALFORM
 CHINS
 SURFACE II
 DIMEMAP
 NCAR

PERIPHERAL DEVICES

:Monochrome graphics CRT's (2), color image display, tablet-free cursor digitizers (4), scanning digitizer, line printer, electrostatic plotter, drum pen plotter, large or precision flatbed pen plotter, hard copy terminal, alphanumeric CRT's (12)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Land use/land cover - :barren land, forest land (pine, mixed and hardwood forests), water, wetlands, cropland, pasture, urban/built-up, timber, mineral extraction/energy production, livestock production, transportation, recreation, parks, historical areas, archaeological areas
GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:One acre, site specific
DATA STORAGE FORMAT	:Grid, polygon
OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape
DATA SOURCES	:Primary and secondary
LEVEL OF RELIABILITY	:Moderate
UPDATE FREQUENCY	:Continuous
CLASSIFICATION	:Anderson generally, some user specific like National Wetlands
COMMENTS	:Project results supplied to NASA, USFW, SCS, USFS, etc

DATA CATEGORY NAME	:Soils data - :type (parameters such as K factor and productivity class can be directly related to soil type)
GEOGRAPHIC COVERAGE	:Special project area (Lexington, Greenville, Abbeville Counties, and parts of Anderson and McCormick Counties)
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:One acre, site specific
DATA STORAGE FORMAT	:Grid, polygon
OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display capability, computer tape
DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Moderate

UPDATE FREQUENCY	:If a new soil survey is published	COMMENTS	:Project reports are supplied to federal agencies
DATA CATEGORY NAME	:Topography - elevation, slope, aspect, terrain	DATA CATEGORY NAME	:Demography - populations, social aspects, economic aspects
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:One acre	MINIMUM RESOLUTION	:One acre, site specific
DATA STORAGE FORMAT	:Grid	DATA STORAGE FORMAT	:Polygon
OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape	OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape
DATA SOURCES	:Secondary	DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Moderate	LEVEL OF RELIABILITY	:Moderate
UPDATE FREQUENCY	:As USGS updates their maps	UPDATE FREQUENCY	:As needed
CLASSIFICATION	:USGS	COMMENTS	:Project reports are supplied to federal agencies
COMMENTS	:Project reports are supplied to federal agencies		
DATA CATEGORY NAME	:Transportation - roads, rail	DATA CATEGORY NAME	:Geology - surficial geology, bedrock geology
GEOGRAPHIC COVERAGE	:Special project area (Lexington and Greenville Counties, parts of Anderson, Abbeville and McCormick Counties, and along the coast)	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:Site specific	MINIMUM RESOLUTION	:One acre, site specific
DATA STORAGE FORMAT	:Coordinate point, line data	DATA STORAGE FORMAT	:Polygon
OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape	OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape
DATA SOURCES	:Secondary	DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Moderate	LEVEL OF RELIABILITY	:Moderate
UPDATE FREQUENCY	:As needed	UPDATE FREQUENCY	:As needed
CLASSIFICATION	:SC Highway Department classification scheme	COMMENTS	:Project reports are supplied to federal agencies
COMMENTS	:Project reports are supplied to federal agencies		
DATA CATEGORY NAME	:Climate/weather - rainfall, temperature	DATA CATEGORY NAME	:Surface water hydrology - water body type, flood prone areas, stream orders
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	:Statewide
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:One acre, site specific	MINIMUM RESOLUTION	:One acre, site specific
DATA STORAGE FORMAT	:Polygon	DATA STORAGE FORMAT	:Polygon
OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape	OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape
DATA SOURCES	:Secondary	DATA SOURCES	:Secondary
LEVEL OF RELIABILITY	:Moderate	LEVEL OF RELIABILITY	:Moderate
UPDATE FREQUENCY	:As needed	UPDATE FREQUENCY	:As needed
COMMENTS	:Project reports are supplied to federal agencies	COMMENTS	:Project reports are supplied to federal agencies
DATA CATEGORY NAME	:Climate/weather - rainfall, temperature	DATA CATEGORY NAME	:Boundaries - state, counties, watersheds, river basins
GEOGRAPHIC COVERAGE	:Statewide	GEOGRAPHIC COVERAGE	
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	GEOGRAPHIC REFERENCE	
MINIMUM RESOLUTION	:One acre, site specific	MINIMUM RESOLUTION	
DATA STORAGE FORMAT	:Polygon	DATA STORAGE FORMAT	
OUTPUT PRODUCTS	:Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping, interactive video display, computer tape	OUTPUT PRODUCTS	
DATA SOURCES	:Secondary	DATA SOURCES	
LEVEL OF RELIABILITY	:Moderate	LEVEL OF RELIABILITY	
UPDATE FREQUENCY	:As needed	UPDATE FREQUENCY	
COMMENTS		COMMENTS	

GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Universal Transverse Mercator
MINIMUM RESOLUTION :One acre, site specific
DATA STORAGE FORMAT :Polygon
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical summaries, modelling capability, composite mapping interactive video display, computer tape
DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :As needed
COMMENTS :Project reports are supplied to federal agencies

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DOCUMENTATION :General information on USC Computer Services Division, and documentation on hardware and software are available
USER FEES POLICY :Fees are charged for all products and services according to a fee schedule, on a cost recovery basis
DATE OF INFORMATION :9/15/83
PAPER FILE NUMBER :SCS

ORIGINAL PAGE IS
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CODE :SC002-01

STATE :SC
DATA BASE NAME :SC Heritage Trust
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of South Carolina and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :SC Wildlife and Marine Resources Department
RESPONDENT :Steve Bennett, Coordinator
SC Heritage Trust
SC Wildlife and Marine Resources Department
P.O. Box 167
Columbia, SC 29202
Telephone: 803-758-0014
OTHER CONTACTS :John Cely, Fish and Wildlife Biologist
:Stu Greeter, Environmental Planner
:Sam Phillips, Fish and Wildlife Biologist
:Doug Raynor, Botanist
:Jim Sorrow, Fish and Wildlife Biologist/
Preserve Manager
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :SC6

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SC002-01

CODE :SD001-01

CODE :SD002-01

STATE :SD
 DATA BASE NAME :Climatological Data - Rain Gauge Network
 SUBJECT COVERAGE :Climatological data - precipitation
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :SD Department of Water and Natural Resources
 RESPONDENT :Ron Woodburn, Natural Resources Analyst
 Division of Water Development
 SD Department of Water and Natural Resources
 Joe Foss Building, 523 East Capitol Street
 Pierre, SD 57501
 Telephone: 605-773-4216
 OTHER CONTACT'S :John J. Smith, Division Director
 Patrick W. Rice, Natural Resources Engineer

COMPUTER FACILITIES

COMPUTER(S) :IBM-PC
 H.P. 2647A
 Unidentified main frame
 RESIDENCE :Central Data Processing
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Color image display, tablet-free cursor digitizer, small flatbed pen plotter, drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather - precipitation (daily for April - September)
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Maps - one scale only, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :High

STATE :SD
 DATA BASE NAME :File 28
 SUBJECT COVERAGE :Geological data
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :SD Geological Survey
 RESPONDENT :Doris Minnerath, Geologist and Data Base Manager
 SD Geological Survey
 SD Department of Water and Natural Resources
 Science Center, University
 Vermillion, SD 57069
 Telephone: 605-624-4471
 OTHER CONTACT'S :Lynn S. Hedges, Hydrologist III

COMPUTER FACILITIES

COMPUTER(S) :IDN 3031
 RESIDENCE :University of South Dakota
 OPERATION :Batch and Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Alphanumeric CRT's (5) - rented from the University Computer Center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology - lithologic logs, water quality analyses, geologic sample analyses, water levels
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :2 to 5 acres (not all sites have this precision)
 DATA STORAGE FORMAT :Coordinate point
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuous

DOCUMENTATION :Available on data structure, data encoding format/procedure, and general information
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :8/29/83
 PAPER FILE NUMBER :SD1

DOCUMENTATION :Available on software, data structure, data encoding format/procedure, data type, and general information
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :8/19/83
 PAPER FILE NUMBER :SD3

ORIGINAL PAGE IS
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SD001-01
 SD002-01

CODE :SD003-01

STATE :SD
DATA BASE NAME :SD Natural Heritage Data Base
SUBJECT COVERAGE :Natural diversity elements
GEOGRAPHIC COVERAGE :Statewide
STATUS :This data base is operated in cooperation with the
Nature Conservancy
AGENCY :SD Department of Game, Fish and Parks
RESPONDENT :Dr. Wayne C. Houtcooper, Director
SD Natural Heritage Program
Department of Game, Fish and Parks
Anderson Building, 445 East Capitol Street
Pierre, SD 57501
Telephone: 605-773-4226

COMPUTER FACILITIES

COMPUTER(S) :UP 2645A
RESIDENCE :Private sector computer center
OPERATION :Batch
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT, line printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -
wildlife (threatened, endangered, or unique), vegetation (threatened, endangered, or unique), geological features, plant communities
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
Public Land Survey
MINIMUM RESOLUTION :To the second (latitude/longitude)
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tables, statistical summaries, printed copy
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuous
CONFIDENTIALITY :Records containing specific locational information on endangered species are subject to restricted access
CLASSIFICATION :A variety of schemes

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DOCUMENTATION :General information is available
USER FEES POLICY :Fees are charged for all products and services according
to a fee schedule
DATE OF INFORMATION :8/19/83
PAPER FILE :SD9

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SD003-01

ORIGINAL PAGE IS
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CODE :SD004-01

STATE :SD
 DATA BASE NAME :WRI Data System
 SUBJECT COVERAGE :Water well quality and soil chemical data
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :Water Resources Institute
 RESPONDENT :Al Bender
 Brookings Water Quality Laboratory
 Water Resources Institute
 SD State University
 Box 2120
 Brookings, SD 57007
 Telephone: 605-688-4910
 OTHER CONTACTS :John Bischoff, Research Engineer
 Telephone: 605-688-4211

COMPUTER FACILITIES

COMPUTER(S) :IBM S150
 HP 9825T
 IBM 370
 RESIDENCE :In-house, also use the University computer center
 OPERATION :Batch and interactive
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :MS-DOS and Micro Ware FORTRAN
 SYSTEM CAPACITY :Main memory: 384 K
 Disc storage: floppy - about 350 K
 Simultaneous users supported: 1 presently
 LANGUAGE(S) :FORTRAN
 BASIC
 Assembler
 C (implementation planned)
 SPECIALIZED SOFTWARE :dBASE II
 SAS
 PERIPHERAL DEVICES :Monochrome graphics CRT, color graphics CRT,
 mechanical digitizer, line printer, dot matrix
 printer with graphics, small flatbed pen plotter,
 hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
 water quality, water wells
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :2-5 acres
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Maps - variable scale, tables
 DATA SOURCES :Primary and secondary

LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Monthly
 COMMENTS :System is being upgraded to standardize all information to dBASE II datfiles structure - floppy disk
 Some data available in STORET

DATA CATEGORY NAME :Soils data -
 soil chemical data
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Annually

DOCUMENTATION :Available on software
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :8/26/83
 PAPER FILE NUMBER :SDII

		CODE :TN001-01	UPDATE FREQUENCY :Every 10 years
		CONFIDENTIALITY :If requested by user submitting data, data are subject to restricted access	COMMENTS :Data are not routinely supplied to a federal agency, but will be made available if requested. Currently includes 1970 data only, eventually will include data from 1980 survey also
STATE	:TN		
DATA BASE NAME	:Water Use		
SUBJECT COVERAGE	:Surface and ground water use		
GEOGRAPHIC COVERAGE	:Statewide		
AGENCY	:TN Department of Public Health		
RESPONDENT	:Fred E. Vanatta Division of Water Management TN Department of Public Health TERRA Building, 150 Ninth Avenue, North Nashville, TN 37203 Telephone: 615-741-6623	=====	
OTHER CONTACTS	:Garland P. Wiggins, Manager, Program Development		
<u>COMPUTER FACILITIES</u>			
COMPUTER(S)	:IBM 370	DOCUMENTATION	:Information on data type are available
RESIDENCE	:Department of Finance and Administration, Information Systems Services Division	USER FEES POLICY	:Fees are charged on a cost recovery basis
OPERATION	:Batch	DATE OF INFORMATION	:8/22/83
<u>DESCRIPTION OF DATA CATEGORIES</u>			
DATA CATEGORY NAME	:Groundwater - use, pumping, problems, type source, locational information, amount withdrawn		
GEOGRAPHIC COVERAGE	:Statewide, 13 major basins		
GEOGRAPHIC REFERENCE	:County Basin		
MINIMUM RESOLUTION	:County, river basin		
OUTPUT PRODUCTS	:Statistical summaries, computer tape		
DATA SOURCES	:Primary		
LEVEL OF RELIABILITY	:Unknown		
UPDATE FREQUENCY	:Every 10 years		
CONFIDENTIALITY	:If requested by user submitting data, data are subject to restricted access		
COMMENTS	:Data are not routinely supplied to any federal agency, but are made available on request Currently includes 1970 data only, eventually will include data from 1980 survey also		
<hr/>			
DATA CATEGORY NAME	:Surface water - pumping, use		
GEOGRAPHIC COVERAGE	:Statewide, 13 major basins		
GEOGRAPHIC REFERENCE	:County Basin		
MINIMUM RESOLUTION	:County, river basin		
OUTPUT PRODUCTS	:Statistical summaries, computer tape		
DATA SOURCES	:Primary		
LEVEL OF RELIABILITY	:Unknown		

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CODE :TN001-02

STATE :TN
DATA BASE NAME :Water Well Inventory
SUBJECT COVERAGE :Information on groundwater wells
GEOGRAPHIC COVERAGE :Statewide
AGENCY :TN Department of Public Health
RESPONDENT :Fred E. VanAtta
Division of Water Management
TN Department of Public Health
TERRA Building, 150 Ninth Avenue, North
Nashville, TN 37203
Telephone: 615-741-6623
OTHER CONTACTS :Garland P. Wiggins, Manager, Program Development

COMPUTER FACILITIES

COMPUTER(S) :IBM 370
RESIDENCE :Department of Finance and Administration, Information
Systems Service Division
OPERATION :Batch

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -
quantity, quality, location (for located wells), well
depth, aquifer depth, elevation, water level elev-
ation, use, owner, water source, spring data
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :latitude/longitude (for located wells only)
County
MINIMUM RESOLUTION :Site specific (for located wells only), county
OUTPUT PRODUCTS :Statistical summaries, computer tape
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Unknown
UPDATE FREQUENCY :Continuous
COMMENTS :Data are not routinely supplied to a federal agency,
however are made available upon request

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DOCUMENTATION :Information on data type available
USER FEES POLICY :Fees are charged on a cost recovery basis
DATE OF INFORMATION :8/22/83
PAPER FILE NUMBER :TN11

ORIGINAL PAGE IS
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TN001-02

CODE :TN002-01

CODE :TN002-02

STATE :TN
 DATA BASE NAME :TN Natural Heritage Area File
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Repository initiated in 1975
 AGENCY :TN Department of Conservation
 RESPONDENT :Sam Pearsall, Program Administrator
 TN Natural Heritage Program
 TN Department of Conservation
 701 Broadway
 Nashville, TN 37203
 Telephone: 615-742-6553

COMPUTER FACILITIES

COMPUTER(S) :AMDAHL
 RESIDENCE :TN Department of Finance and Administration, Information Systems Services Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity areas -
 significant areas of natural diversity which are or
 ought to be protected, including wetlands, wilderness
 areas, etc.
 GEOGRAPHIC COVERAGE :Statewide

DATE OF INFORMATION :1/6/83
 PAPER FILE NUMBER :TN2-1

STATE :TN
 DATA BASE NAME :TN Natural Heritage Database
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :This program was undertaken as a cooperative effort between the State of Tennessee and The Nature Conservancy, a national nonprofit conservation organization. The data base was initiated in 1975.
 AGENCY :TN Department of Conservation
 RESPONDENT :Sam Pearsall, Program Administrator
 TN Natural Heritage Program
 TN Department of Conservation
 701 Broadway
 Nashville, TN 37203
 Telephone: 615-742-6553
 OTHER CONTACTS :Dan Eager, Dep. Coordinator/Zoologist
 Larry Smith, Plant Ecologist/Prot. Planner
 Paul Somers, Botanist
 Daryl Durham, Wildlife Ecologist
 Dave Shupe, Program Review Coordinator
 Anne Lovell, Database Manager
 Shellie Gareau, Procedures Specialist
 The Nature Conservancy
 1000 North Kent Street
 Arlington, VA 22209
 Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :AMDAHL
 RESIDENCE :TN Department of Finance and Administration, Information Systems Services Division

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements -
 all known current and historic locations for rare
 plants, rare animals, rich wildlife habitats, significant (typical or rare) plant communities; expansion to significant geologic, recreational and scenic areas in planning states
 GEOGRAPHIC COVERAGE :Statewide

DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
 DATE OF INFORMATION :1/6/83
 PAPER FILE NUMBER :TN2-2

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TN002-02

CODE :TN003-01

STATE :TN
DATA BASE NAME :TVA Regional Heritage
GEOGRAPHIC COVERAGE :Tennessee Valley Authority region
STATUS :This program was undertaken as a cooperative effort between the TN Office of Natural Resources and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :TN Office of Natural Resources
RESPONDENT :BILL Redmond, Coordinator
TVA Regional Heritage
TN Office of Natural Resources
Norris, TN 37828
Telephone: 615-494-9800
OTHER CONTACTS :Ralph Jordan, Project Leader
:Joe Collins, Botanist
:Carolyn Bacon, Botanist
:Ken McClellan, Zoologist
:Penny Irwin, Data Handler
:Ebeth McMillen, Computer Analyst
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IOM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION : "The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :TN15

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TN003-01

CODE :TX001-01

STATE :TX
DATA BASE NAME :TX Natural Resources Information System
DATA BASE ACRONYM :TNRIS
SUBJECT COVERAGE :Base data, meteorological resources, biological resources, water resources, geologic and land resources, and socio-economic resources
GEOGRAPHIC COVERAGE :Statewide
STATUS :TNRIS is (1) a linked network of user entities acquiring and maintaining natural resource data; (2) a "Systems Central" providing a point of contact for information on data availability, procurement, and analysis; and (3) a centralized facility to handle storage, retrieval, processing, analysis and, where appropriate, presentation of natural resource data and information.

The TNRIS Task Force makes policy decisions and is responsible for coordinating the operation of the System. The Task Force is made up of representatives from 14 State agencies, with ex officio participation from two others. The Systems Central staff is funded through the Texas Department of Water Resources.

Organizations participating in TNRIS include:

Voting Members:

Texas Department of Water Resources (TDWR)
General Land Office (GLO)
Texas Air Control Board (ACB)
Texas Forest Service (TFS)
Texas Industrial Commission (TIC)
Texas Department of Health (TSDH)
Bureau of Economic Geology, The University of Texas at Austin
Railroad Commission of Texas (TRC)
Texas Department of Agriculture (TDA)
State Department of Highways and Public Transportation
Texas Parks and Wildlife Department (TPW)
Texas State Soil and Water Conservation Board (TSWC)
Texas Coastal and Marine Council
Texas Historical Commission

Ex Officio Members:

Texas Department of Community Affairs
Governor's Office

In addition to providing access to a wide variety of state-held data, TNRIS provides access to a number of automated natural resource data bases available from federal agencies and private entities, including the USGS National Water Data Exchange (NAWDEX), National Cartographic Information Center (NCIC), and Computerized Resources Information Bank (CRIB) for energy information, the U.S. Department of Ag-

riculture's Federal Assistance Programs Retrieval System (FAPRS), the U.S. Department of Interior's Computerized Water Resources Abstracts (WRA) file and National Water Storage and Retrieval (WATSTORE) System, the ERDS Data Center's automated system for locating aerial photography and satellite imagery; the Lockheed Missiles and Space Company, Inc.'s DIALOG system, and several files of computerized abstracts available through the System Development Corporation's ORBIT system. Additionally, interface is maintained with data systems of the National Aeronautics and Space Administration (NASA), National Oceanic and Atmospheric Administration (NOAA), Environmental Protection Protection Agency (EPA/STORET), the Census Bureau, and other entities.

For a description of TNRIS' remote sensing and geographic information analysis capabilities, refer to CODE: TX001-02, TX Natural Resources Inventory & Monitoring System

AGENCY RESPONDENT :TX Department of Water Resources
:Sam McCulloch
TX Natural Resources Information System
Systems Central
P.O. Box 13087
Austin, TX 78711
Telephone: 512-475-3321

OTHER CONTACTS :John Wilson
Charles Palmer

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/62
INTERDATA 7/32
RESIDENCE :TX Department of Water Resources
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :TNRIS
SIMAP
SYMVU
CPS-1
CALFORN
DISPLA
CENSPEC
MATHI-PACK
STATI-PACK
BIONED
FMPS
TNRIS Monitor
TNRIS Request Accounting System
PERIPHERAL DEVICES :Calcomp 748 flatbed plotter, Calcomp 563 drum plotter,

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TX001-01

color display, various line printers/terminals, Digi Grid DG-10C digitizer, Tektronix 4014 graphics editor

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Base data -
digitized water well locations, digitized county
boundaries, Landsat remote sensing data, 10-minute
grid coordinate table, community profile-geographic
location, county profile-geographic location, state
water district master

GEOGRAPHIC COVERAGE

DATA CATEGORY NAME : Meteorological resources - climatological: daily precipitation, monthly precipitation, daily minimum temperature, monthly minimum temperature, daily maximum temperature, monthly maximum temperature, daily wind movement, monthly wind movement, daily pan evaporation, daily 2-ft. pan evaporation, daily 4-ft. pan evaporation, daily 6-ft. pan evaporation, monthly pan evaporation, monthly 2-ft. pan evaporation, monthly 4-ft. pan evaporation, monthly 6-ft. pan evaporation, daily climatological master file, monthly climatic index, hourly coastal climatological file, hourly precipitation, hourly climatological file, gross lake surface evaporation, net lake surface evaporation, TFS fire weather reports, weather data index, hourly climatological data, community profile-climatological data, county profile-climatological data

air quality: air pollution data, average particulate and gaseous pollutants #1, average particulate and gaseous pollutants #2, continuous air pollution monitoring network

man's activities: Compliance Division mailing list, Office of Executive Director mailing list, Technical Support/Sampling Division mailing list, 1971-72 summary of emission sources, air pollution questionnaires mailing list, compliance with air pollution laws data, source surveillance investigator's reports

GEOGRAPHIC COVERAGE :Statewide

DATA CATEGORY NAME : **Biological resources - animal: coastal zone biological information, gulf coast shrimp catch data, Texas fish landing data, mourning dove harvest survey mod. QB, Texas fish landings (commercial), deer movement fix file, bird banding recovery file, Lake Meridian fish trap data, deer-turkey harvest survey, fish distribution (stock-**

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ing), county estimates for 62 crop and livestock items, TFS southern pine beetle operations;

plant: county estimates of crops and livestock, TFS
wildfire reports

micro-organisms: coastal zone biological information, bacterial water quality (rivers, lakes, streams), coastal water data

man's activities; TFS woodland management activities, TFS wildfire reports, mourning dove harvest survey and, QB, Texas fish landings (commercial), deer-turkey harvest survey, fish distribution (stocking), species code names, gulf coast shrimp catch data, Texas fish landing data, TFS southern pine beetle operations, county profile-form products

GEOGRAPHIC COVERAGE

:Water resources -
surface; daily USGS streamflow, monthly USGS streamflow, daily sediment load, monthly sediment load, coastal zone hydrographical information, daily USGS surface water temperature, daily USGS surface water conductance, surface water runoff

subsurface; water-level measurements, groundwater quality

man's activities: water use by hydrographic unit, daily USGS reservoir contents, monthly USGS reservoir contents, municipal return flow, industrial return flow, self reporting waste discharge data, waste control order data, municipal and industrial water use, permit master file, permit address file, water use file, sewage treatment plant inventory, waste or wastewater operator data, community profile-water utilities information

Statewide

Geographic Coverage

:Geologic and land resources -
surface: soil summary file, Corpus Christi area
resource capability units, fracture mapping, open pits
in Texas

subsurface: annual oil production, annual natural gas production, cumulative oil & gas totals, corelabs salinity file, oil master, gas master

man's activities: land classification master file,

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	submerged lease data file, rental master file, school land master file, veteran's land master file, veteran's land statistical file, unsold school land file, secondary recovery-master, secondary recovery-lease file, secondary recovery-fluids, secondary recovery-injection, secondary recovery-year file, liquid spillage, annual water injection, community profile-zoning ordinances, county profile-agricultural land use	USER FEES POLICY	Texas State Agencies" (Pub # 014); several Capabilities Brochures and Support Activities Reports are also available
GEOGRAPHIC COVERAGE	:Statewide	DATE OF INFORMATION	:Fees charged for products and services according to a fee schedule (varies for members vs. non-members)
DATA CATEGORY NAME	:Socio-economic resources - social: 1970 U.S. Census, OBERS county population and land area, automatic traffic recorder data, speed survey, origin-destination survey, traffic log, boat registration master, public hunts-drawn master, community profile-population and education, county profile-population economic: earnings and income, Dun and Bradstreet, OBERS water resources regions, OBERIS economic areas, bridge log, structure inventory and appraisal, road life data, road way characteristics-state system, road way characteristics-county system, rail-highway grade crossings, community profile-business statistics, county profile-personal income and earnings commerce: truck weight data, community profile-business statistics, county profile-business statistics government: community profile-city government information, county profile-county government information, state water district information	PAPER FILE NUMBER	:8/1/83 :TX1
GEOGRAPHIC COVERAGE	:Statewide	DOCUMENTATION	:General publications include: "TNRIS Conceptual Design (1974)", "Progress Report on the Establishment of a Natural Resources Information System for the State of Texas (February 1973)", "TNRIS Overview", "TNRIS Newsletter" (published quarterly), "TNRIS Progress Report" (published quarterly), "TNRIS File Description Report" (Pub # 002), "Remote Sensing of Flood Hazards in Central Texas" (Pub # 003), "TNRIS Monitor User Reference Manual" (Pub # 007), "TNRIS Education Program User Reference Manual" (Pub # 008), "Selected Applications of Computer Graphics to Natural Resources Planning and Management in Texas State Government" (Pub # 013), and "Landsat in

TX001-01
(cont.)



CODE :TX001-02

STATE :TX
 DATA BASE NAME :TX Natural Resources Inventory & Monitoring System
 DATA BASE ACRONYM :TNRIMS
 SUBJECT COVERAGE :Remote sensing/geographic information analysis capability
 STATUS :TNRIMS was developed jointly by the Texas Natural Resources Information System (refer to CODE: TX001-01) and NASA. The main goal was to establish a set of capabilities for remote sensing and geographic information analysis. TNRIMS provides a flexible, integrated, easy-to-use system that can aid in resource inventory and monitoring applications.

TNRIMS consists of three components: the Remote Sensing Information Subsystem (RSIS), the Geographic Information Subsystem (GIS), and the Natural Resources Analytical Subsystem (NRAS). A description of each of these subsystems follows.

RSIS allows users of TNRIMS to process and analyze digital remote sensing data. The set of software comprising RSIS came from various sources: a major portion was written specifically for RSIS by NASA, some programs were converted to RSIS from other systems, and the rest of the software was developed by TNRIMS staff. Major components of RSIS include the Detection and Mapping Package (DAM), LARSYS, ELLTAB, and Interactive Graphics Subsystem (IGS).

The GIS was designed to be a spatial data base incorporating a unified set of techniques for dealing with all types of geographic information. The GIS stores map data in a vector structure which can recognize points, lines, and areas (polygons). Data can also be automatically converted from files produced from other spatial data systems, such as the Census Bureau's DIME (Dual Independent Map Encoding) files and the U.S. Geological Survey's GIRAS (Geographic Information Retrieval and Analysis System) files. Latitude/longitude point data from external descriptive data bases can also be entered automatically into the GIS.

Procedures and software for analyzing digital geographic data are contained in the Natural Resources Analytical Subsystem. The NRAS and GIS components of TNRIMS are very closely related; in fact, in most existing geographic information systems the analytical functions are considered as internal parts. In TNRIMS, the GIS is responsible for transferring geographic data between human and computer environments, and the NRAS provides the capability for the user to analyze the data while it is in the computer.

AGENCY RESPONDENT :TX Department of Water Resources
 :Sam McCullich
 TX Natural Resources Information System
 Systems Central
 P.O. Box 13087
 Austin, TX 78711
 Telephone: 512-475-3321
 OTHER CONTACTS :John Wilson
 Charles Palmer

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100/62
 INTERDATA 7/32
 RESIDENCE :TX Department of Water Resources
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

SPECIALIZED SOFTWARE :DAM Package
 LARSYS
 ELLTAB
 IGS
 PERIPHERAL DEVICES :Calcomp 748 flatbed plotter, Calcomp 563 drum plotter, color display, various line printers/terminals, Digi Grid DG-10C digitizer, Tektronix 4014 graphics editor

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DOCUMENTATION :"Texas Natural Resources Inventory & Monitoring System"
 Project Review Conference Proceedings, May 5-6, 1983
 DATE OF INFORMATION :5/6/83
 PAPER FILE NUMBER :TX2

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TX001-02

STATE	:UT	DATA CATEGORY NAME	:Wildlife - "Utah Biological lifezones" Primary agency involved: Wildlife Resources (see also "topography" and "Vegetation")
DATA BASE NAME	:Automated Geographic Reference		
DATA BASE ACRONYM	:AGR		
SUBJECT COVERAGE	:Geographically referenced data - energy, recreation, topography, boundaries, wildlife, vegetation, streams, wilderness, demography		
GEOGRAPHIC COVERAGE	:Statewide (individual projects vary in size)	DATA CATEGORY NAME	:Topography - "Aspen Mountain Wildlife Study Area - viewshed analysis" "Indianola Wildlife Study Area - viewshed analysis" "Interloken Wildlife Study Area - viewshed analysis" "Pinchhollow Wildlife Study Area - viewshed analysis" "Rockport Wildlife Study Area - viewshed analysis" "Sweetwater Deer Study Area - viewshed analysis" Primary agency involved: Wildlife Resources
STATUS	:Information is gathered by project; in the following descriptions, the projects are identified in quotation marks. Included are projects with data base completed; there are several other projects in progress and in planning		
AGENCY RESPONDENT	:UT Department of Natural Resources and Energy :Riki Darling, Manager Automated Geographic Reference UT Department of Natural Resources and Energy 1636 West North Temple Salt Lake City, UT 84116 Telephone: 801-533-7495 :Bruce Pott, Central AGR Telephone: 801-533-5381	DATA CATEGORY NAME	:Vegetation - "Monticello SW quad (USGS) - Big Game Summer Range" Primary agency involved: Wildlife Resources
OTHER CONTACTS			
COMPUTER FACILITIES		DATA CATEGORY NAME	:Boundaries - "Salt Lake County - Census Tracts" Primary agency involved: Central AGR "Utah: County Boundaries with county populations" Primary agency involved: DNR&E-AGR "Utah: State Planning Districts Parks and Recreation Planning Regions" Primary agency involved: DNR&E-AGR
COMPUTER(S) RESIDENCE	:ANDAHL V8 :State data coordinating center		
<u>DESCRIPTION OF DATA CATEGORIES</u>			
DATA CATEGORY NAME	:Energy - "Alton Coal Fields - administrative ownership, coal resources, cultural physical: faults, surface hydrology, landforms, topography, geology, land use, vegetation, soils Primary agency involved: OGR (see also "Wilderness")	DATA CATEGORY NAME	:Demography - "Utah: County Boundaries with County Populations" Primary agency involved: DNR&E-AGR
DATA CATEGORY NAME	:Recreation - "Antelope Island State Park" - campsite suitability, topography, roads, water (fresh/salt) Primary agency involved: Parks and Recreation (see also "Boundaries")	DATA CATEGORY NAME	:Wilderness - "Utah: BLM Wilderness Study Areas - 1:1,000,000 scale" size (acres), naturalness, solitude, primitive recreation opportunities, special features, distance from population centers, energy and mineral resources Primary agencies involved: BLM, DNR&E-AGR
DATA CATEGORY NAME	:Streams - "Blacksmith Fork Stream Profile - Stream Bed Elevations Primary agency involved: Wildlife Resources		

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UT001-01

DATA CATEGORY NAME :Geology -
"CRIB (Computerized Resource Information Bank)"
interface - USGS Utah mines locations
Primary agencies involved: UCNS, OGM, DNR&E-AGR

GEOGRAPHIC COVERAGE :Statewide

UPDATE FREQUENCY :Continuous

COMMENTS :Other contact for UCNS:
Martha Smith, Mineral Resource Specialist
UT Geological and Mineral Survey
Telephone: 801-581-6831

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DOCUMENTATION : "AGR Projects" (as of January 20, 1983)
DATE OF INFORMATION : 5/23/83
PAPER FILE NUMBER : UT7 and UT2

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CODE :VA001-01

CODE :VA002-01

STATE :VA
 DATA BASE NAME :Alosid File
 DATA BASE ACRONYM :Not available
 SUBJECT COVERAGE :Population dynamics of adult and juvenile anadromous fishes in Virginia waters
 GEOGRAPHIC COVERAGE :Chesapeake Bay Tributaries
 STATUS :Operational - continuing
 AGENCY :VA Institute of Marine Science
 RESPONDENT :Bill Kriete, Fisheries Specialist
 Fisheries Science and Service Division
 VA Institute of Marine Science
 Gloucester Point, VA 23062
 Telephone: 804-642-2111
 OTHER CONTACTS :Joe Loesch
 Dr. Frank O. Perkins, Dean/Director
 Dr. David Evans, Senior Mar. Sc.

COMPUTER FACILITIES

COMPUTER(S) :PRIME 850
 RESIDENCE :VIMS Computer Center

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line following digitizer, line printer, hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fish - length, weight, species, sex, age, gonad condition, spawning history, hydrographic data
 GEOGRAPHIC COVERAGE :Chesapeake Bay Tributaries
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Watershed or river basin, site specific
 DATA STORAGE FORMAT :Coordinate point, tabular
 OUTPUT PRODUCTS :Reports, tables, statistical summaries, graphics
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High for 1976 - present
 UPDATE FREQUENCY :Annually, weekly juvenile survey
 CONFIDENTIALITY :Commercial log book data are confidential
 COMMENTS :Time span of data: 1967 to present

DOCUMENTATION :General information is available
 USER FEES POLICY :Fees are charged on a cost recovery basis
 DATE OF INFORMATION :9/26/83
 PAPER FILE NUMBER :VA9

STATE :VA
 DATA BASE NAME :Benthic Surveys
 SUBJECT COVERAGE :Benthic community structure
 GEOGRAPHIC COVERAGE :Chesapeake Bay (several points); most comprehensive data file is from VIMS pier in approximately 30 feet of water in mud habitat

AGENCY :VA Institute of Marine Science
 RESPONDENT :Bob Diaz, Senior Marine Scientist
 Biological Oceanography Division
 VA Institute of Marine Science
 Gloucester Point, VA 23062
 Telephone: 804-642-2111
 OTHER CONTACTS :David Evans, Department Head

COMPUTER FACILITIES

COMPUTER(S) :PRIME 750
 RESIDENCE :In-house, VIMS Data Processing
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (50), mechanical digitizers, tablet-free digitizers (2), line printer, dot matrix printer with graphics, small flatbed pen plotter, drum pen plotter, large or precision flatbed pen plotter, hard copy terminal

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Marine-estuarine - benthic community structure, species abundance, sediment size
 GEOGRAPHIC COVERAGE :Chesapeake Bay (several points)
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :VIMS pier
 DATA STORAGE FORMAT :Site specific
 OUTPUT PRODUCTS :Tubular
 DATA SOURCES :Reports, tables, graphics
 LEVEL OF RELIABILITY :Primary
 UPDATE FREQUENCY :High
 COMMENTS :Quarterly/weekly
 :Time span of data: 1961 to present;
 Data are supplied to STORET

DOCUMENTATION :General information is available
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :7/1/82
 PAPER FILE NUMBER :VA10

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VA001-01
 VA002-01

CODE :VA003-01

CODE :VA003-02

STATE :VA
 DATA BASE NAME :Chemical Data
 DATA BASE ACRONYM :WCBRG 100
 WCBRG 112
 WCBRG 150
 WCBRG 110
 WCBRG 115
 WCBRG 160
 SUBJECT COVERAGE :Chemical analyses of groundwater
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :VA State Water Control Board
 RESPONDENT :Terry D. Wagner
 VA State Water Control Board
 2111 North Hamilton Street
 P.O. Box 11143
 Richmond, VA 23230
 Telephone: 804-257-0386
 OTHER CONTACTS :P. J. Smith
 Telephone: 804-257-0387
 Dot Bridgers
 Telephone: 804-257-0071

COMPUTER FACILITIES

RESIDENCE :VA Department of Motor Vehicles

IN-HOUSE FACILITIESLANGUAGE(S) :COBOL
SASDESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -
 chemical analyses, quality
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 State Plane Coordinate System
 County
 Well serial number
 MINIMUM RESOLUTION :Site specific
 OUTPUT PRODUCTS :Computer printout
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Monthly
 COMMENTS :Time span of data: 1970 to present
 Data is supplied to STORET

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DOCUMENTATION :Ground Water System, Chem Data Sub-System User's Manual
 (May 1982)
 USER FEES POLICY :0.005 cents/line of printed output
 DATE OF INFORMATION :10/11/83
 PAPER FILE NUMBER :VAIL

STATE :VA
 DATA BASE NAME :Observation Well Levels
 DATA BASE ACRONYM :WCBRG 700
 WCBRG 710
 SUBJECT COVERAGE :Groundwater levels
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :VA State Water Control Board
 RESPONDENT :Terry D. Wagner
 VA State Water Control Board
 2111 North Hamilton Street
 P.O. Box 11143
 Richmond, VA 23230
 Telephone: 804-257-0386
 OTHER CONTACTS :P. J. Smith
 Telephone: 804-257-0387
 Dot Bridgers
 Telephone: 804-257-0071

COMPUTER FACILITIES

RESIDENCE :VA Department of Motor Vehicles

IN-HOUSE FACILITIES

LANGUAGE(S) :SAS

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology -
 groundwater levels
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 State Plane Coordinate System
 Observation well number
 MINIMUM RESOLUTION :Site specific
 OUTPUT PRODUCTS :Computer printout
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Monthly
 COMMENTS :Time span of data: 1965 to present
 Data is supplied to STORET

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DOCUMENTATION :In preparation June 1982
 USER FEES POLICY :0.005 cents/line of printed output
 DATE OF INFORMATION :10/11/83
 PAPER FILE NUMBER :VAIL

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VA003-02

CODE :VA003-03

STATE :VA
 DATA BASE NAME :Pumpage and Use
 SUBJECT COVERAGE :Quantity of water pumped from specified water producing zones
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Operational for output of data entered pre-July 1981; new input format being developed
 AGENCY :VA State Water Control Board
 RESPONDENT :Terry D. Wagner
 VA State Water Control Board
 2111 North Hamilton Street
 P.O. Box 11143
 Richmond, VA 23230
 Telephone: 804-257-0386
 OTHER CONTACTS :P. J. Smith
 Telephone: 804-257-0387
 Dot Bridgers
 Telephone: 804-257-0071

COMPUTER FACILITIES

RESIDENCE :VA Department of Motor Vehicles

IN-HOUSE FACILITIES

LANGUAGE(S) :COBOL

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology - groundwater use, pumpage data
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 State Plane Coordinates
 County
 Serial number
 Owner number
 MINIMUM RESOLUTION :Site specific
 OUTPUT PRODUCTS :Computer printout
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Quarterly
 COMMENTS :Time span of data: 1973 to present

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DOCUMENTATION :In preparation
 USER FEES POLICY :0.005 cents/line of printed output; any charge less than \$5.00 is not billed
 DATE OF INFORMATION :10/11/83
 PAPER FILE NUMBER :VA11

STATE :VA
 DATA BASE NAME :Water Data Water Well Completion Report Sub-system
 DATA BASE ACRONYM :WCBRG Sub-system

WCBRG 300
 WCBRG 310
 WCBRG 320
 WCBRG 321
 WCBRG 322
 WCBRG 323
 WCBRG 330

SUBJECT COVERAGE :Information on well construction such as driller, logs available, depth, water zones, construction materials, etc.

GEOGRAPHIC COVERAGE :Statewide
 AGENCY :VA State Water Control Board
 RESPONDENT :Terry D. Wagner

VA State Water Control Board
 2111 North Hamilton Street
 P.O. Box 11143
 Richmond, VA 23230
 Telephone: 804-257-0386

OTHER CONTACTS :P. J. Smith
 Telephone: 804-257-0387
 Dot Bridgers
 Telephone: 804-257-0071

COMPUTER FACILITIES

RESIDENCE :VA Department of Motor Vehicles

IN-HOUSE FACILITIESLANGUAGE(S) :COBOL
 CYL-260/280
 SASDESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater hydrology - well data, well depth, water zone, lithology, formation
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 State Plane Coordinates
 County
 Well serial number
 MINIMUM RESOLUTION :Site specific
 OUTPUT PRODUCTS :Printout - various formats
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Monthly
 COMMENTS :Time span of data: 1946 to present

Data is supplied to STORMT

DOCUMENTATION :WCR Sub-System User's Manual (January 1983)
 USER FEES POLICY :0.005 cents/line of printed output; any charge less than \$5.00 is not billed
 DATE OF INFORMATION :10/11/83
 PAPER FILE NUMBER :VA11

CODE :VA004-01

STATE :VA
DATA BASE NAME :Current Meter Data
SUBJECT COVERAGE :Current meter data from meters placed in the Chesapeake Bay and tributaries
GEOGRAPHIC COVERAGE :Tributaries and lower Chesapeake Bay (primarily tributaries now but expected future shift in emphasis to lower Bay); data from approximately 36 current meters
STATUS :Standardized retrieval program currently under development
AGENCY :VA Institute of Marine Science
RESPONDENT :Chris Welch
Physical Science and Ocean Engineering Division
VA Institute of Marine Science
Gloucester Point, VA 23062
Telephone: 804-642-2111, Ext. 144
OTHER CONTACTS :John Ruzekki
Telephone: 804-642-2111, Ext. 143
:Robert Lukens
Telephone: 804-642-2111, Ext. 182

COMPUTER FACILITIES

RESIDENCE :In-house

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water - current speed, direction, depth, time
GEOGRAPHIC COVERAGE :Tributaries and lower Chesapeake Bay
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Site specific
OUTPUT PRODUCTS :Reports
DATA SOURCES :Primary
UPDATE FREQUENCY :Continuous (approximately monthly)
COMMENTS :Time span of data: 1971 to present

DATA CATEGORY NAME :Climate/weather - winds, tides
GEOGRAPHIC COVERAGE :Tributaries and lower Chesapeake Bay
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Site specific
OUTPUT PRODUCTS :Reports
DATA SOURCES :Primary
UPDATE FREQUENCY :Continuous (approximately monthly)
COMMENTS :Time span of data: 1971 to present

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DATE OF INFORMATION :7/1/82
PAPER FILE NUMBER :VA12

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VA004-01

STATE :VA
 DATA BASE NAME :Hydrologic Information Storage and Retrieval System
 DATA BASE ACRONYM :HISARS
 SUBJECT COVERAGE :Surface water flow and climatic data
 GEOGRAPHIC COVERAGE :Virginia plus portions of surrounding states
 STATUS :Operational
 AGENCY :VA Water Resources Research Center
 RESPONDENT :T. W. Johnson, Assistant to the Director
 VA Water Resources Research Center
 Virginia Polytechnic Institute and State University
 617 North Main Street
 Blacksburg, VA 24060
 Telephone: 703-961-5624

COMPUTER FACILITIES

COMPUTER(S) :IBM 370
 RESIDENCE :Virginia Tech Computer Center
 OPERATION :Batch
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Hard copy terminals (2), alphanumeric CRT's (4)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Climate/weather -
 rainfall, temperature, evapotranspiration,
 snowfall/snow depth
 GEOGRAPHIC COVERAGE :Statewide and portions of surrounding states
 GEOGRAPHIC REFERENCE :Specially designed location block, based on
 latitude/longitude
 MINIMUM RESOLUTION :County, PDC (planning district), river basin or
 sub-basin, and other
 OUTPUT PRODUCTS :Tables, statistical summaries, computer tape
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :Annually
 COMMENTS :Time span of data: 1948 to 12/81
 Data collected by National Weather Service

DATA CATEGORY NAME :Surface water -
 streamflow, discharge/volume/stage, watershed
 boundaries
 GEOGRAPHIC COVERAGE :Statewide and portions of surrounding states
 GEOGRAPHIC REFERENCE :Specially designed location block, based on
 latitude/longitude
 MINIMUM RESOLUTION :County, PDC (planning districts), river basin or
 sub-basin, and other

CODE :VA005-01
 OUTPUT PRODUCTS :Tables, computer tape
 DATA SOURCES :Secondary
 UPDATE FREQUENCY :Annually
 COMMENTS :Time span of data: from origin of gage to 9/80
 Data is collected by USGS (NANDEX)

DOCUMENTATION :HISARS Users' Guide - available from the Water Center
 for \$10.00
 USER FEES POLICY :For users who access the Virginia Tech computer, no
 charge except computer time; others who use Water Center
 Service, \$25.00
 DATE OF INFORMATION :9/26/83
 PAPER FILE NUMBER :VA13

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CODE :VA006-01

STATE :VA
DATA BASE NAME :Nonpoint Source (Runoff) Data
DATA BASE ACRONYM :NPS Data
SUBJECT COVERAGE :Water flow, rainfall and water quality (nutrients, suspended solids, etc.)
GEOGRAPHIC COVERAGE :Coastal plains of Virginia
AGENCY :VA Institute of Marine Science (VIMS)
RESPONDENT :Dr. Bruce J Neilson
VA Institute of Marine Science
Department of Estuarine Processes
Gloucester Point, VA 23062
Telephone: 804-642-6131, Ext. 244
OTHER CONTACTS :Gary F. Anderson
Telephone: 804-642-6131, Ext. 246

COMPUTER FACILITIES

RESIDENCE :In-house; College of William and Mary

IN-HOUSE FACILITIES

LANGUAGE(S) :SAS

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
water quality, non-point pollution, water flow, rainfall, runoff
GEOGRAPHIC COVERAGE :Coastal plains of Virginia
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Data for specific catchments, primarily in the Hampton Roads area
OUTPUT PRODUCTS :Reports
DATA SOURCES :Primary
UPDATE FREQUENCY :Continuous
COMMENTS :Time span of data: 1976 to present

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USER FEES POLICY :Depends on data requested; reports free if available,
5 cents/page if need to make a copy

DATE OF INFORMATION :7/1/82

PAPER FILE NUMBER :VA14

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VA006-01

CODE :VA007-01

STATE	:VA	DATA SOURCES	:Primary
DATA BASE NAME	:Oyster Spatfall Data	LEVEL OF RELIABILITY	:Update 100% reliable for monitoring setting potential
SUBJECT COVERAGE	:Oyster setting in Virginia waters	UPDATE FREQUENCY	:Data collected weekly, mid-June through mid-October
GEOGRAPHIC COVERAGE	:172 standard stations in Chesapeake Bay and tributaries	COMMENTS	:Time span of data: spotty data, 1947-1952; no data, 1952-1963; solid data, 1963-1981
AGENCY	:VA Institute of Marine Science	=====	
RESPONDENT	:Dexter Haven Fisheries Science and Services Division VA Institute of Marine Science Gloucester Point, VA 23062 Telephone: 804-642-2111, Ext. 185	DOCUMENTATION	:UPDATE booklet available
OTHER CONTACTS	:James Whitcomb Telephone: 804-642-2111, Ext. 185 :Dr. David A. Evans, Senior Marine Scientist Telephone: 804-642-2111, Ext. 107	USER FEES POLICY	:Contact VIMS Computer Center
		DATE OF INFORMATION	:10/14/83
		PAPER FILE NUMBER	:VA15

COMPUTER FACILITIES

COMPUTER(S)	:PRIME 450
RESIDENCE	:VIMS Computer Center
GIS CAPABILITY	:Image processing IIS Model 75

IN-HOUSE FACILITIES

OPERATING SYSTEM	:PRIMOS
SYSTEM CAPACITY	:4 MB Core, 32 MB Virtual
LANGUAGE(S)	:FORTRAN F77 PASCAL PL/I COBOL Assembler RPG
SPECIALIZED SOFTWARE	:INSL SPSS SURFACE II SIR
PERIPHERAL DEVICES	:22-inch HI pen plotter, 36-inch VERSATEC, IIS Model 75 image processor

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME	:Shellfish - oyster spatfall setting, number barnacles and bryozoa counted on shells, water temperature and oxygen concentration, datos, location
GEOGRAPHIC COVERAGE	:Chesapeake Bay and tributaries (172 standard stations)
GEOGRAPHIC REFERENCE	:River name Station name
MINIMUM RESOLUTION	:Site specific
DATA STORAGE FORMAT	:Tabular
OUTPUT PRODUCTS	:Formatted reports, graphics

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VA007-01

CODE :VA008-01

CODE :VA009-01

STATE :VA
 DATA BASE NAME :Small Fish Survey
 SUBJECT COVERAGE :Survey of "Young of the Year" fish in Virginia waters
 GEOGRAPHIC COVERAGE :Chesapeake Bay and tributaries (Chesapeake Bay watershed)
 AGENCY :VA Institute of Marine Science
 RESPONDENT :Frank Wojcik, Asst. Marine Scientist
 Fisheries Science and Services Division
 VA Institute of Marine Science
 Gloucester Point, VA 23062
 Telephone: 804-642-2111, Ext. 277
 OTHER CONTACTS :Dr. David Evans, Senior Marine Scientist
 Telephone: 804-642-2111, Ext. 107
 Ginny Shaw, Computer Systems Engineer
 Telephone: 804-642-2111, Ext. 214

COMPUTER FACILITIES

COMPUTER(S) :PRIME 850
 RESIDENCE :VIMS Computer Center
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics), large or precision
 flatbed pen plotter, hard copy terminals (30)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fish -
 trawl survey data, number taken by species, weight,
 species, length for species, hydrographic data -
 surface and bottom temperature, salinity, and dis-
 solved oxygen
 GEOGRAPHIC COVERAGE :Chesapeake Bay Watershed
 GEOGRAPHIC REFERENCE :Latitude/longitude
 River mile
 MINIMUM RESOLUTION :River mile for James, York, Rapp., and Pot. Rivers
 OUTPUT PRODUCTS :Reports, computer tape
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Monthly
 CONFIDENTIALITY :Data not available till reviewed and checked
 COMMENTS :Time span of data: 1955 to present
 This data base will soon be a S.U.R. file

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DOCUMENTATION :General information is available
 USER FEES POLICY :Fees are charged on a cost recovery basis
 DATE OF INFORMATION :9/26/83
 PAPER FILE NUMBER :VA 16

STATE :VA
 DATA BASE NAME :Survey and Landings Data Operation
 DATA BASE ACRONYM :SALDO
 SUBJECT COVERAGE :Juvenile blue crab survey data, commercial blue crab
 landings, commercial crabber's daily-weekly catch logs,
 American lobster catch and tagging data
 GEOGRAPHIC COVERAGE :Chesapeake Bay and adjacent continental shelf and slope
 AGENCY :VA Institute of Marine Science
 RESPONDENT :W. N. Van Engel
 VIMS Crustaceology
 Jefferson Hall
 VA Institute of Marine Science
 Gloucester Point, VA 23062
 OTHER CONTACTS :R. E. Harris, Jr.

COMPUTER FACILITIES

COMPUTER(S) :PRIMR 750
 RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
 PASCAL
 SPECIALIZED SOFTWARE :SPSS

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Shellfish -
 blue crab survey data, blue crab landings, commercial
 catch logs, lobster catch logs, lobster catch, tagging
 data
 GEOGRAPHIC COVERAGE :Chesapeake Bay and adjacent continental shelf and
 slope
 OUTPUT PRODUCTS :Computer tape, printouts
 DATA SOURCES :Primary and secondary
 UPDATE FREQUENCY :Monthly
 CONFIDENTIALITY :Only parts are available
 COMMENTS :American lobster data has been used in a completed
 contract with NMFS. Blue crab landings and survey
 data are currently being used in a study of "The
 Relationship Between the Chesapeake Bay Blue Crab
 and its Climatological Environment"

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DATE OF INFORMATION :7/1/82
 PAPER FILE NUMBER :VA17

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VA008-01
 VA009-01

ORIGINAL PAGE IS
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CODE :VA010-01

Gayk, VA Highway and Transportation Research Council
February 1982

STATE :VA
DATA BASE NAME :Landmarks Research Data
SUBJECT COVERAGE :Historic landmarks
GEOGRAPHIC COVERAGE :Statewide
STATUS :Under development
AGENCY :VA Department of Highways & Transportation
RESPONDENT :Dan Gayk, Sr. Programmer/Analyst
VA Department of Highways & Transportation
Information Systems Division, Room 205
1221 East Broad Street
Richmond, VA 23219
Telephone: 804-786-4463

USER FEES POLICY :No policy established
DATE OF INFORMATION :10/3/83
PAPER FILE NUMBER :VA1B

COMPUTER FACILITIES

COMPUTER(S) :TIN 3033
RESIDENCE :Central government computer center
OPERATION :Batch
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (11), line printer (character graphics), large or precision flatbed pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Cultural areas -
historical landmarks, archaeological areas, other significant cultural areas, registration status
CHARTGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Universal Transverse Mercator
Geodetic
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Polygon, coordinate point
OUTPUT PRODUCTS :Maps - variable scale, composite mapping, computer
lups, computer printout
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Continuous, last update: May 1983
CONFIDENTIALITY :Official record of landmarks by VA Historical
Landmark Commission are restricted

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DOCUMENTATION :"The Feasibility of Using Computer Graphics in Environmental Evaluations" by Daniel D. McGeehan and Daniel P.

VA010-01



CODE :VA011-01

USER FEES POLICY :\$125/machine unit hour (varies with amount of data requested)
DATE OF INFORMATION :10/12/83
PAPER FILE NUMBER :VA19

STATE :VA
DATA BASE NAME :VIMS Hydrographic Data Bank
DATA BASE ACRONYM :VIMDB
SUBJECT COVERAGE :hydrographic data and slack water runs
GEOGRAPHIC COVERAGE :Chesapeake Bay, its tributaries and some Atlantic Ocean shelf
STATUS :Operational; under revision
AGENCY :VA Institute of Marine Science
RESPONDENT :Ginny Shaw, Computer Systems Engineer
VA Institute of Marine Science
Gloucester Point, VA 23062
Telephone: 804-642-2111, Ext. 214
OTHER CONTACTS :Dr. David Evans, Senior Marine Scientist
Telephone: 804-642-2111, Ext. 107

COMPUTER FACILITIES

COMPUTER(S) :PRIME 850
RESIDENCE :VIMS Computer Center
OPERATION :Interactive

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS
SYSTEM CAPACITY :Main memory: 4 MB
Disk storage: 980 MB
LANGUAGE(S) :PRIME/POWER
PL/I
PERIPHERAL DEVICES :Plotters, graphics terminals

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water hydrology -
temperature, salinity, dissolved oxygen, organics,
nutrients, algae, suspended solids, conductivity
GEOGRAPHIC COVERAGE :Chesapeake Bay, its tributaries and some Atlantic
Ocean shelf
GEOMETRIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Station within river
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Computer tape, printout
DATA SOURCES :Primary and secondary
UPDATE FREQUENCY :Monthly
COMMENTS :Time span of data: 1942-1981

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DOCUMENTATION :Under revision

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VA011-01

STATE :VA
 DATA BASE NAME :VA Outdoor Plan Information System
 DATA BASE ACRONYM :VOPIS
 SUBJECT COVERAGE :Outdoor recreation site/facility information
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :The Parks Division is hoping to obtain in-house capabilities in the near future. They plan to increase the scope of their inventorying process at that time.
 AGENCY :VA Division of Parks and Recreation
 RESPONDENT :John Davy, Assistant Director, Planning
 VA Division of Parks and Recreation
 Department of Conservation and Economic Development
 1201 Washington Building, Capitol Square
 Richmond, VA 23219
 Telephone: 804-225-3011
 OTHER CONTACTS :Robert Munson
 Telephone: 804-225-3012

COMPUTER FACILITIES

COMPUTER(S) :ANDAHL
 RESIDENCE :VA Commonwealth University/VA Community College
 System (VCU/VCCS) Consolidated Computer Facility
 OPERATION :Batch
 GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Recreation -
 public areas, quasi-public areas, private areas,
 site acres, hunting acres, size or area and type
 of facilities
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Locality
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Computer printout
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Varies by Planning District
 UPDATE FREQUENCY :Continuous, varies
 COMMENTS :Time span of data: First collected in 1972; three
 updates have been completed since then; update currently in progress

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USER FEES POLICY :Fees are charged on a cost recovery basis
 To receive printout of entire inventory; \$42.00 plus
 shipping charge
 DATE OF INFORMATION :10/12/83
 PAPER FILE NUMBER :VA21

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CODE :VA013-01

STATE :VA
DATA BASE NAME :VA Large Scale Econometric Model
DATA BASE ACRONYM :VLSRM
SUBJECT COVERAGE :Contains historical and forecast (10 years, quarterly) data on personal income by place of work/residence, income by industry, manufacturing and nonmanufacturing wage rates, employment by two-digit sic code, unemployment housing starts, capital expenditures, state revenues and select national variables
GEOGRAPHIC COVERAGE :State level
AGENCY :VA Department of Taxation
RESPONDENT :Ed Sahaydok
Commonwealth Data Base
VA Department of Taxation
2220 W. Broad Street
Richmond, VA 23220
Telephone: 804-257-8064

USER FEES POLICY :Chase Computer charges are paid by the user for Ad hoc retrievals or a user may have their own account and terminal hook up to Chase International Data Corporation (Washington, D.C.)
DATE OF INFORMATION :10/12/83
PAPER FILE NUMBER :VA20

COMPUTER FACILITIES

COMPUTER(S) :ANDAHL
RESIDENCE :Interactive Data Corporation (Waltham, MA)
OPERATION :Batch and interactive
GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography - historical, forecasts, personal income, industry income, manufacturing wage rates, nonmanufacturing wage rates, employment, unemployment housing starts, capital expenditures, state revenues
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :N/A
MINIMUM RESOLUTION :State level
DATA STORAGE FORMAT :Tabular, text
OUTPUT PRODUCTS :Tables, graphics, modelling capability, statistical summaries, computer tape
DATA SOURCES :Primary and secondary
UPDATE FREQUENCY :Varies
CLASSIFICATION :Standard Industrial Codes
COMMENTS :Time span of data: Most data quarterly from 1960

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DOCUMENTATION : "Virginia Large-Scale Econometric Model Final Report";
"Virginia Large-Scale Econometric Model, Data Base Manual"; general model simulator and reference manual

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CODE :VA014-01

STATE :VA
DATA BASE NAME :Commonwealth Data Base
DATA BASE ACRONYM :CDB
STATUS : Commonwealth Data Base (CDB) is a project intended to develop a community type of data base to help eliminate duplication of data bases and information systems in VA'S state government. CDB is the result of the combined efforts of the Department of Taxation and the Office of Commerce and Resources, who were both working on separate projects which used some of the same data. The funds for both projects were combined and appropriated to the General Assembly for developing one data base incorporating the two systems.
Currently, CDB acts as a statewide clearinghouse for information on natural resources, economic and demographic data. CDB has compiled a "Data Systems Catalog" which provides references to available data on the Commonwealth. The CDB is comprised of several independent components which are coordinated by the CDB Task Force. To date, these consist of an Econometric Model at the Division of Taxation (see VA013-01), Landsat image processing at the VA Institute of Marine Science, and a geographic information system which has been developing at VA Polytechnic Institute and State University (see VA016-01). Current projects include the facilitation of a move of the State Water Use Data Base from USGS to the State Water Control Board (see VA015-01), and an inventory of aerial photography covering the Commonwealth. A proposal has been put forward to bring CDB out of the research environment and into applications. Eventually, CDB would like to have a centralized data base.
AGENCY RESPONDENT :VA Department of Taxation
:Ann Moyo, Cartographer
Commonwealth Data Base
VA Department of Taxation
2220 West Broad Street
PO Box 6-L
Richmond, VA 23282
Telephone: 804-257-6277
OTHER CONTACTS :Robert McGann, Computer Systems Analyst, Commonwealth Data Base Task Force
Telephone: 804-257-6273

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DOCUMENTATION :Commonwealth Data Base Data Systems Catalog
Revised July, 1982
DATE OF INFORMATION :9/15/83
PAPER FILE NUMBER :VA2

VA014-01

CODE :VA015-01

STATE :VA
DATA BASE NAME :Virginia Water Use Data System
DATA BASE ACRONYM :VWUDS
SUBJECT COVERAGE :Surface and ground water use
GEOGRAPHIC COVERAGE :Statewide
STATUS :VWUDS is a state owned system that is being transferred from USGS in Reston to a state center. USGS sponsored software is used to allow USGS access. Eventually the Commonwealth Data Base (see VA014-01) will extract information from VWUDS. Data is in geographic format to allow for future GIS capability.
AGENCY RESPONDENT :VA State Water Control Board
:Robert C. McGann, Computer Systems Analyst
Commonwealth Data Base Task Force
VA Department of Taxation
2220 West Broad Street
P.O. Box 6-1
Richmond, VA 23282
Telephone: 804-257-6273

COMPUTER FACILITIES

COMPUTER(S) :IBM 3033
RESIDENCE :Central government computer center
OPERATION :Batch and interactive
GIS CAPABILITY :Partial

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
water users (types by use), water suppliers (private or commercial), measuring point file (location of withdrawals, deliveries, conveyances - system generated), multiple annual measurement files by year
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Tabular reports, proposed maps and graphics
DATA SOURCES :Primary
LEVEL. OF RELIABILITY :Varies, provisions are in the files to let the user know the accuracy of the data
UPDATE FREQUENCY :Data are being entered initially now
COMMENTS :Parts of the data base are USGS National Water Use Data System

DATA CATEGORY NAME :Groundwater -
water users (types by use), water suppliers (private or commercial), measuring point file (location of

GEOGRAPHIC COVERAGE :Withdrawal, deliveries, conveyances - system generated), multiple annual measurement files by year
GEOGRAPHIC REFERENCE :Statewide
MINIMUM RESOLUTION :Latitude/longitude
DATA STORAGE FORMAT :Site specific
OUTPUT PRODUCTS :Tabular
DATA SOURCES :Primary
LEVEL. OF RELIABILITY :Varies, provisions are in the files to let the user know the accuracy of the data
UPDATE FREQUENCY :Data are being entered initially now
COMMENTS :Parts of the data base are USGS National Water Use Data System

DATE OF INFORMATION :9/29/83
PAPER FILE NUMBER :VA22

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VA015-01

CODE :VA016-01

STATE :VA
 DATA BASE NAME :Spatial Data Analysis Lab Data
 SUBJECT COVERAGE :Land use, elevation, lakes, powerlines, recreational areas, roads, streams, urban areas, utilities, wetlands, in the process of acquiring weather and climate data and census data for some areas

GEOGRAPHIC COVERAGE :Varies with the data category, but the following areas have some or all data available for their entirety or a portion of their area: Amherst County, Bedford County, Nelson County, Northampton County, Northern Virginia (parts of Loudon, Fauquier, Prince William, and Fairfax Counties), Rockbridge County, Stafford County, Tazewell County, Williamsburg County, VA Beach County, Shenandoah National Park. Elevation data is available statewide, and climatic data collection is in progress statewide.

STATUS :Data have been collected for specific projects. Work thus far has been supported by the Commonwealth Data Base Within the Department of Taxation in Richmond (see VA014-01). Ideally, the Program at VPI would develop the system, then eventually transfer the system to a state agency in Richmond that would then assume operational control. Currently under development is a better system for indexing data, by topic and by geographic region. In some instances, data is not stored, but is generated as needed from other data, e.g. slope data can be generated from the topography file

AGENCY RESPONDENT :VA Polytechnic Institute and State University
 :Dr. James B. Campbell, Associate Professor
 :Spatial Data Analysis Lab
 :VA Polytechnic Institute and State University
 :Blacksburg, VA 24061
 :Telephone: 703-961-5841 (office)
 :703-961-6886 (dept. secretary)

OTHER CONTACTS :Dr. Robert M. Harlick, Director, SDA
 :Telephone: 703-961-6819

COMPUTER FACILITIES

COMPUTER(S) :DEC VAX 11/750
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Color image display, tablet-free cursor digitizer, TV digitizer, line printer (character graphics), small flatbed pen plotter
 Hardware will probably be supplemented soon

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DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use - "level 1"
 GEOGRAPHIC COVERAGE :Complete coverage: Stafford Co., Williamsburg Co., Shenandoah National Park
 :Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties
 :Universal Transverse Mercator
 :3 acres (Shenandoah National Park)
 :27 acres (other)
 :Grid, coordinate point
 :Maps - variable scale, graphics, composite mapping, interactive video display capability
 :Primary and secondary
 :Varies

DATA CATEGORY NAME :Topography - elevation, slope, aspect (1 degree increments), landforms (12 classes)
 GEOGRAPHIC COVERAGE :Statewide
 :Universal Transverse Mercator
 :27 acres
 :Grid, coordinate point
 :Maps - variable scale, composite mapping, graphics, interactive video display capability
 :Primary and secondary
 :Varies

DATA CATEGORY NAME :Surface water - lakes, streams
 GEOGRAPHIC COVERAGE :Complete coverage: Stafford Co., Williamsburg Co., Shenandoah National Park
 :Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties
 :Universal Transverse Mercator
 :3 acres (Shenandoah National Park)
 :27 acres (other)
 :Grid, coordinate point
 :Maps - variable scale, composite mapping, graphics, interactive video display capability
 :Primary and secondary
 :Varies

DATA CATEGORY NAME :Recreation - recreational areas
 GEOGRAPHIC COVERAGE :Complete coverage: Stafford and Williamsburg Counties

VA016-01

DATA CATEGORY NAME	:Transportation - roads	DATA CATEGORY NAME	:Netlands
GEOGRAPHIC COVERAGE	:Complete coverage: Stafford and Williamsburg Counties, Shenandoah National Park Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties	GEOGRAPHIC COVERAGE	:Complete coverage: Stafford and Williamsburg Counties, Shenandoah National Park Partial coverage: Bedford, Northampton, Tazewell, VA Beach, Loudon, Fauquier, Prince William and Fairfax Counties
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	GEOGRAPHIC REFERENCE	:Universal Transverse Mercator
MINIMUM RESOLUTION	:3 acres (Shenandoah National Park)	MINIMUM RESOLUTION	:3 acres (Shenandoah National Park)
DATA STORAGE FORMAT	:27 acres (other)	DATA STORAGE FORMAT	:27 acres (other)
OUTPUT PRODUCTS	:Grid, coordinate point	OUTPUT PRODUCTS	:Grid, coordinate point
DATA SOURCES	:Maps - variable scale, composite mapping, graphics, interactive video display capability	DATA SOURCES	:Maps - variable scale, composite mapping, graphics, interactive video display capability
UPDATE FREQUENCY	:Primary and secondary	UPDATE FREQUENCY	:Primary and secondary
	:Varies		:Varies
DATA CATEGORY NAME	:Infrastructure - powerlines, utilities	DATA CATEGORY NAME	:Climate/weather - average temperature, precipitation, snowfall, 24 hour min/max temperature
GEOGRAPHIC COVERAGE	:Complete coverage: Stafford and Williamsburg Counties, Shenandoah National Park Partial coverage: Amherst, Bedford, Nelson, Northampton, Tazewell, VA Beach, Loudon, Fauquier, Prince William and Fairfax Counties	GEOGRAPHIC COVERAGE	:Statewide collection of data in progress
GEOGRAPHIC REFERENCE	:Universal Transverse Mercator	DOCUMENTATION	:Listing of data available; detailed software documentation can be accessed by terminal
MINIMUM RESOLUTION	:3 acres (Shenandoah National Park)	DATE OF INFORMATION	:11/2/83
DATA STORAGE FORMAT	:27 acres (other)	PAPER FILE NUMBER	:VA23
OUTPUT PRODUCTS	:Grid, coordinate point		
DATA SOURCES	:Maps - variable scale, composite mapping, graphics, interactive video display capability		
UPDATE FREQUENCY	:Primary and secondary		
	:Varies		
DATA CATEGORY NAME	:Urban areas		
GEOGRAPHIC COVERAGE	:Complete coverage: Stafford and Williamsburg Counties, Shenandoah National Park Partial coverage: Amherst, Bedford, Nelson, Northampton, Rockbridge, Tazewell, VA Beach, Loudon, Fauquier, Prince William, and Fairfax Counties		

CODE :VA017-01

STATE :VA
DATA BASE NAME :VA Natural Diversity Information Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the Commonwealth of Virginia and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY RESPONDENT :VA Polytechnic Institute and State University
:Steve Croy, Project Director
VA Natural Diversity Information Program
VA Polytechnic Institute and State University
Biology Department - Herbarium
Blacksburg, VA 24061
Telephone: 703-961-5746
OTHER CONTACTS :Shalie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :VA24

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VA017-01

CODE :VT001-01

STATE :VT
 DATA BASE NAME :Ground Water Management Section's Data Base
 SUBJECT COVERAGE :Groundwater data, especially well driller's report forms including well logs, locations, quantity of water and well construction information

GEOGRAPHIC COVERAGE :Statewide
 STATUS :Agency has recently acquired their computer system and is currently entering data.
 AGENCY :VT Department of Water Resources and Environmental Engineering
 RESPONDENT :Cameron A. McCormack, Hydrogeologist
 Ground Water Management Section
 VT Department of Water Resources and Environmental Engineering
 State Office Building, 120 State Street
 Montpelier, VT 05602
 Telephone: 802-828-2761

OTHER CONTACTS :David Butterfield, Chief, Ground Water Management Section

COMPUTER FACILITIES

COMPUTER(S) :HP 1000 A600 Model 16 System
 RESIDENCE :In-house (jointly owned with the Division of Air Pollution Control and Solid Waste Management)
 OPERATION :Interactive
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

OPERATING SYSTEM :RTE A.1
 SYSTEM CAPACITY :Main memory: 1 MB
 Disc storage: 73 MB
 Simultaneous users supported: 8 at present time
 (2 in Ground Water Section)

LANGUAGE(S) :FORTRAN
 Assembler
 BASIC

SPECIALIZED SOFTWARE :IMAGE/1000
 PERIPHERAL DEVICES :Monochrome graphics CRT, tablet-free cursor digitizer, line printer, small flushed pen plotter, alphanumeric CRT's (2 in the Ground Water Section, 8 in the entire system)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater - quantity, quality, discharge/pumpage, well location, ground water measurements, well logs (partially in system now), well construction (partially in system now), well yield and static levels (partially in system now), springs, aquifer protection areas boundaries - state and townships

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 MINIMUM RESOLUTION :Site specific, two and one-half minute latitude/longitude cell
 DATA STORAGE FORMAT :Grid, coordinate point
 OUTPUT PRODUCTS :Tables, graphics, maps - variable scale
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuous to monthly, still in initial data entry stage
 COMMENTS :Data is supplied to USGS

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DOCUMENTATION :Yet to be completed
 USER FEES POLICY :No policy established
 DATE OF INFORMATION :8/26/83
 PAPER FILE NUMBER :VT12

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VT001-01

CODE :VT002-01

LEVEL OF RELIABILITY :Moderate

STATE :VT
DATA BASE NAME :Center for Rural Studies VT State Data Center
SUBJECT COVERAGE :Socio-economic, demographic, and agricultural data
GEOGRAPHIC COVERAGE :Statewide
AGENCY :Center for Rural Studies
RESPONDENT :Samuel A. McReynolds, Data Analyst
Center for Rural Studies
25 Colchester Avenue
Burlington, VT 05401
Telephone: 802-656-3021
OTHER CONTACTS :Frederick Schmidt, Director

DATA CATEGORY NAME :Agriculture -
number of farms, number of persons on farms
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :Towns
DATA STORAGE FORMAT :Files
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical
summaries, analyses of data, computer tape
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Annual, biennial, every 10 years

COMPUTER FACILITIES

COMPUTER(S) :DEC 2060
RESIDENCE :University of Vermont
OPERATION :Batch and Interactive
GIS CAPABILITY :Partial

DOCUMENTATION :General information and documentation on data type are
available
USER FEES POLICY :Fees charged for all products and services according
to a fee schedule
DATE OF INFORMATION :7/29/83
PAPER FILE NUMBER :VT13

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -
populations, social aspects, economic aspects, census
data
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :Community, township, county
DATA STORAGE FORMAT :Files
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical
summaries, analyses of data, computer tape
DATA SOURCES :Primary and secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Annual, biennial, every 10 years
CONFIDENTIALITY :Employment records from the DLT are subject to
restricted access

DATA CATEGORY NAME :Boundaries -
states, counties, townships, census blocks, watersheds
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :Community, township, county
DATA STORAGE FORMAT :Files
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical
summaries, analyses of data, computer tape
DATA SOURCES :Primary and secondary

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CODE :VT003-01

STATE :VT
DATA BASE NAME :Water
SUBJECT COVERAGE :Data on the public water system - water quality, source of water, piping materials, SDWA violations
GEOGRAPHIC COVERAGE :Statewide
AGENCY :VT Division of Environmental Health
RESPONDENT :Anne Rosenau, Water Supply Program Coordinator
Division of Environmental Health
Department of Health
60 Main Street, Box 70
Burlington, VT 05401
Telephone: 802-862-5701
OTHER CONTACTS :Kenneth M. Stone, PE, Director, Division of Environmental Health
Karen Daren, Programmer

COMPUTER FACILITIES

COMPUTER(S) :DEC 2020
RESIDENCE :In-house
GIS CAPABILITY :No

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
BASIC
COBOL
TRAFFIC 20
SPECIALIZED SOFTWARE :STATZ
PERIPHERAL DEVICES :Line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality - water quality: public water systems, water source, piping materials, SDWA violations
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Town
MINIMUM RESOLUTION :Township, county, management unit
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Daily
COMMENTS :Data is supplied to EPA - FRDS

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USER FEES POLICY :Fees charged on a cost recovery basis
DATE OF INFORMATION :7/28/83
PAPER FILE NUMBER :VT16

ORIGINAL PAGE IS
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VT003-01

CODE :WA001-02

CODE :WA001-01

STATE :WA
 DATA BASE NAME :Shoreline Management Substantial Development Permits and Variances
 SUBJECT COVERAGE :land use/land cover
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :WA Department of Ecology
 RESPONDENT :Kevin Barbee, Computer Systems Analyst
 Data Services Section
 WA Department of Ecology
 Mail Stop PV-11
 Olympia, WA 98504
 Telephone: 206-459-6198
 OTHER CONTACTS :Linda Rankin, Environmentalist
 Telephone: 206-459-6278
 Judy Nuttingly, Computer Operator
 Telephone: 206-459-6190

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 RESIDENCE :Central government computer center
 OPERATION :Batch
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome CRT's (10), line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover -
 Mineral extraction/energy production, transportation, urban/built-up, recreation, parks, unique areas, ownership
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :640 acres (section, 1 square mile)
 DATA STORAGE FORMAT :Records
 OUTPUT PRODUCTS :Statistical summaries, lists of permits
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuous

DOCUMENTATION :Available on data structure and general information
 USER FEES POLICY :Products and services are available at no charge
 DATE OF INFORMATION :9/12/83
 PAPER FILE NUMBER :WA8

STATE :WA
 DATA BASE NAME :Coastal Zone Geographic Information System
 DATA BASE ACRONYM :ATLAS CGIS
 SUBJECT COVERAGE :Geology and land cover
 GEOGRAPHIC COVERAGE :Marine shoreline and upland 2000 feet (a portion of the NW part of the state)
 AGENCY :WA Department of Ecology
 RESPONDENT :Kevin Barbee, Computer Systems Analyst
 Data Services Section
 WA Department of Ecology
 Mail Stop PV-11
 Olympia, WA 98504
 Telephone: 206-459-6198
 OTHER CONTACTS :Fred Gardner, Environmentalist
 Telephone: 296-459-6289

COMPUTER FACILITIES

COMPUTER(S) :CDC CYBER NOS/DE
 RESIDENCE :University of WA Academic Computing Center
 OPERATION :Interactive

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
 surficial geology, bedrock geology, sand and gravel resources, slope stability
 GEOGRAPHIC COVERAGE :A portion of northwestern WA
 GEOGRAPHIC REFERENCE :Locations are given relative to other polygons
 MINIMUM RESOLUTION :Data is given for each polygon, which can be from 100 square meters to several square miles
 DATA STORAGE FORMAT :Polygon
 OUTPUT PRODUCTS :Modelling capability, interactive video display
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Last update: March 1980

DATA CATEGORY NAME :Land use/land cover -
 barren land, forest land, water, wetlands, estuaries, urban/built-up
 GEOGRAPHIC COVERAGE :A portion of northwest WA
 GEOGRAPHIC REFERENCE :Locations are given relative to other polygons
 MINIMUM RESOLUTION :Data is given for each polygon, which can be from 100 square meters to several square miles
 DATA STORAGE FORMAT :Polygon
 OUTPUT PRODUCTS :Modelling capability, interactive video display
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Last update: March, 1980

DOCUMENTATION :Information available on software, data structure, and general information
 DATE OF INFORMATION :9/12/83
 PAPER FILE NUMBER :WA8

ORIGINAL PAGE IS
OF POOR QUALITYWA001-01
WA001-02

CODE :WA001-03

STATE :WA
 DATA BASE NAME :Air Quality Data Handling System
 SUBJECT COVERAGE :Environmental quality (air)
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :WA Department of Ecology
 RESPONDENT :Kevin Barbee, Computer Systems Analyst
 Data Services Section
 WA Department of Ecology
 Mail Stop PV-11
 Olympia, WA 98504
 Telephone: 206-459-6198
 OTHER CONTACTS :Bob Miller, Air Quality Control Specialist
 Telephone: 206-459-6242

COMPUTER FACILITIES

COMPUTER(S) :DATA GENERAL NOVA 4
 IBM 3081
 RESIDENCE :In-house
 OPERATION :Central government computer center (IBM)
 GIS CAPABILITY :Batch and interactive
 :No

IN-HOUSE FACILITIES

SYSTEM CAPACITY :Main memory: 256 bytes
 Disc storage: None (tape)
 Simultaneous users supported: 1
 LANGUAGE(S) :FORTRAN
 SPECIALIZED SOFTWARE :TELEMETRY MONITOR
 PERIPHERAL DEVICES :Monochrome CRT

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
 air quality: carbon monoxide, carbon dioxide,
 sulfur dioxide, nitrous oxide, total suspended
 particulate, soiling index
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator (indirectly)
 MINIMUM RESOLUTION :Nearest 10 meters
 DATA STORAGE FORMAT :Records
 OUTPUT PRODUCTS :Statistical summaries
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 COMMENTS :Data is supplied to EPA District 10

DATA CATEGORY NAME :Climate/weather -
 wind, temperature, solar radiation

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Universal Transverse Mercator (indirectly)
 MINIMUM RESOLUTION :Nearest 10 meters
 DATA STORAGE FORMAT :Records
 OUTPUT PRODUCTS :Statistical summaries
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 COMMENTS :Data is supplied to EPA District 10

DOCUMENTATION :General information available
 USER FEES POLICY :Fees charged for all products and services according
 to a fee schedule
 DATE OF INFORMATION :9/12/83
 PAPER FILE NUMBER :WAB

ORIGINAL PAGE IS
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WA001-03

CODE :WA001-04

STATE :WA
DATA BASE NAME :WRIS Water Right Claims, Permits, Certificates and Changes
SUBJECT COVERAGE :Surface and ground water rights
GEOGRAPHIC COVERAGE :Statewide
AGENCY :WA Department of Ecology
RESPONDENT :Kevin Barbee, Computer Systems Analyst
Data Services Section
WA Department of Ecology
Mail Stop PV-11
Olympia, WA 206-459-6198
Telephone: 206-459-6198
OTHER CONTACTS :Pat Dice, Environmental Technician
Telephone: 206-459-6129
Judy Mattingly, Computer Operator
Telephone: 206-459-6190

COMPUTER FACILITIES

COMPUTER(S) :IBM SERIES/1 MODEL 4956
RESIDENCE :In-house
OPERATION :Batch and interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :EVENT DRIVEN EXECUTIVE
SYSTEM CAPACITY :Main memory: 768K
Disc storage: 64M
Simultaneous users supported: about 7
LANGUAGE(S) :COBOL
FORTRAN
EDX
SPECIALIZED SOFTWARE :Edit, update and report programs
PERIPHERAL DEVICES :Monochrome CRT's (10), line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Groundwater -
well location, water rights
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :160 acres
DATA STORAGE FORMAT :Records
OUTPUT PRODUCTS :Statistical summaries, lists of water rights and
water right claims, on paper or on microfiche
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Monthly
CONFIDENTIALITY :Claimant names should not be released for any private
commercial gain

DATA CATEGORY NAME :Surface water -
water rights
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
MINIMUM RESOLUTION :160 acres
DATA STORAGE FORMAT :Records
OUTPUT PRODUCTS :Statistical summaries, lists of water rights and
water right claims, on paper or on microfiche
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Monthly
CONFIDENTIALITY :Claimant names should not be released for any private
commercial gain

USER FEES POLICY :Fees are charged on a cost recovery basis
DATE OF INFORMATION :9/12/83
PAPER FILE NUMBER :WA8

ORIGINAL PAGE IS
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WA001-04

CODE :WA001-05

STATE :WA
DATA BASE NAME :Pollution Sources and Monitoring Stations
SUBJECT COVERAGE :Environmental quality (water)
GEOGRAPHIC COVERAGE :Statewide
AGENCY :WA Department of Ecology
RESPONDENT :Kevin Barbee, Computer Systems Analyst
Data Services Section
WA Department of Ecology
Mail Stop PV-11
Olympia, WA 98504
Telephone: 206-459-6198
OTHER CONTACTS :Bob James, Programmer
Telephone: 206-753-2812

COMPUTER FACILITIES

COMPUTER(S) :WANG 2200VP
RESIDENCE :IBM 370
:In-house
Central government computer center (IDN)

IN-HOUSE FACILITIES

OPERATING SYSTEM :BASIC II
SYSTEM CAPACITY :Main memory: 64K
Disc storage: 20M
Simultaneous users supported: 1
LANGUAGE(S) :BASIC
SPECIALIZED SOFTWARE :In-house and EPA
PERIPHERAL DEVICES :Monochrome CRT, dot matrix printer with graphics,
drum pen plotter

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Environmental quality -
water quality, point pollution, point sources, standard violations
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
River Mile
MINIMUM RESOLUTION :Seconds (latitude/longitude)
DATA STORAGE FORMAT :Records, text
OUTPUT PRODUCTS :Statistical summaries
DATA SOURCES :Primary
:High
:Monthly
LEVEL OF RELIABILITY :
UPDATE FREQUENCY :
COMMENTS :Data is supplied to STORET

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DOCUMENTATION :General Information is available
USER FEES POLICY :Fees are charged on a cost recovery basis
DATE OF INFORMATION :9/12/83
PAPER FILE NUMBER :WA8

ORIGINAL PAGE IS
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WA001-05

CODE :WA002-01

STATE :WA
 DATA BASE NAME :Non-game Wildlife Information System
 SUBJECT COVERAGE :Wildlife
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :WA Department of Game
 RESPONDENT :Tom Owens, Wildlife Research Analyst
 Non-game Data Systems
 WA Department of Game
 600 North Capitol Way
 Olympia, WA 98504
 Telephone: 206-754-1449

OTHER CONTACTS :Eric Barthmaier, Information Systems Manager
 Tim Young, Computer Systems Analyst

COMPUTER FACILITIES

COMPUTER(S) :PRIME 550 II
 IBM 3033

RESIDENCE :In-house
 Central government computer center (IBM)

OPERATION :Batch and interactive

GIS CAPABILITY :Partial (Conversion to GIS in progress)

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS

SYSTEM CAPACITY :Main memory: 3 M
 Disc storage: 300 M
 Simultaneous users supported: >15

LANGUAGE(S) :FORTRAN
 ASSEMBLER
 BASIC

SPECIALIZED SOFTWARE :HOMERANGE (0 of 1)
 MOSS (planned)
 PRIME OAS
 PRIME-DPTX

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife -
 non-game; mammals, birds, fish, marine/estuarial,
 reptiles/amphibians, and other; game (in progress);
 mammals, birds, fish, and other; threatened and
 endangered species; habitat; surface hydrology;
 soils; boundaries; land cover; topography

GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 Public Land Survey

MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Polygon

OUTPUT PRODUCTS Coordinate point
 DATA SOURCES :Maps - variable scale, tables, graphics, modelling
 capability, statistical summaries, composite mapping,
 computer tape
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Moderate
 CONFIDENTIALITY :Continuous
 :Some data are subject to restricted access

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DOCUMENTATION :Available on data structure, data encoding format/
 procedure, and data type
 USER FEES POLICY :Fees are charged on a cost recovery basis
 DATE OF INFORMATION :8/19/83
 PAPER FILE NUMBER :WA9

ORIGINAL PAGE IS
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CODE :WA003-01

STATE :WA
DATA BASE NAME :Application Information Management System
DATA BASE ACRONYM :AIMS
SUBJECT COVERAGE :Mining, and land use on state land
GEOGRAPHIC COVERAGE :Statewide
AGENCY :WA Department of Natural Resources
RESPONDENT :Lyle H. Parsons, Agriculture Lease Supr.
WA Department of Natural Resources
Mail Stop QW 21
Olympia, WA 98504
Telephone: 206-753-5304
OTHER CONTACTS :Art Stearns, Department Supervisor
Robert Edwards, Div. Mgr., Services and Management
Randy Nowlan, Data Systems
(for information on telephone numbers: 206-753-5327)

DOCUMENTATION :Available on software, data structure, data assessment
procedures, and data encoding format/procedure
USER FEES POLICY :Most services are department support. Outside users pay
on certain requests
DATE OF INFORMATION :11/8/83
PAPER FILE NUMBER :WAII

COMPUTER FACILITIES

RESIDENCE :Central government computer center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use/land cover -
cropland, urban/built-up, archaeological areas
GEOGRAPHIC COVERAGE :Statewide, on state land
DATA STORAGE FORMAT :Records
OUTPUT PRODUCTS :Statistical summaries, general hard copy - billings -
records of lease activity
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Bimonthly
CONFIDENTIALITY :Data are subject to restricted access

DATA CATEGORY NAME :Mining -
surface mining permits
GEOGRAPHIC COVERAGE :Statewide
DATA STORAGE FORMAT :Records
OUTPUT PRODUCTS :Statistical summaries, general hard copy - billings,
records of lease activity
DATA SOURCES :Primary
LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Bimonthly
CONFIDENTIALITY :Data are subject to restricted access

ORIGINAL PAGE IS
OF POOR QUALITY

WA003-01

CODE :WA004-01

STATE :WA
 DATA BASE NAME :Geographic Multiple Use Analysis and Planning System
 DATA BASE ACRONYM :GEOMAPS
 SUBJECT COVERAGE :land use, land cover, boundaries, soils data, surface water, vegetation, and General Land Office Survey
 GEOGRAPHIC COVERAGE :Statewide for soils and GLO Survey, State-managed uplands for all other data
 STATUS :This system is replacing the GRIDS (Gridded Resource Inventory and Information) System beginning Jan. 1984
 AGENCY :WA Department of Natural Resources
 RESPONDENT :Larry J. Sugerbaker, Management Information Supervisor
 WA State Department of Natural Resources
 Public Lands Building, Mail Stop EV-31
 Olympia, WA 98504
 Telephone: 206-753-1262
 OTHER CONTACTS :Bob Edwards, Mgr., Div. of Management Services
 Telephone: 206-753-1262

COMPUTER FACILITIES

COMPUTER(S) :PRIME 750
 PRIME 2250 (up to 7)
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :PRIMOS
 SYSTEM CAPACITY :Main memory: 2 MB
 Disc storage: 600 MB
 Simultaneous users supported: 32
 LANGUAGE(S) :FORTRAN
 SPECIALIZED SOFTWARE :ARC
 INFO
 PERIPHERAL DEVICES :Monochrome graphics CRT's (4), color graphics CRT's (3), tablet-free cursor digitizers (7), line printer (character graphics), dot matrix printer with graphics, drum pen plotter, large or precision flatbed pen plotter, alphanumeric CRT's (9)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water - water body type, watershed boundaries
 GEOGRAPHIC COVERAGE :State managed uplands, approximately 3,000,000 acres scattered throughout state
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 Public Land Survey

ORIGINAL PAGES OF POOR QUALITY

MINIMUM RESOLUTION :2-5 acres, 1 acre, site specific
 DATA STORAGE FORMAT :Grid, arc/node, coordinate point, tabular
 OUTPUT PRODUCTS :Maps - variable scale, tables, modelling capability, statistical summaries, composite mapping, interactive video display capability, computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High to low
 UPDATE FREQUENCY :Varies
 CONFIDENTIALITY :Some data in the data base have restricted access
 CLASSIFICATION :Modified Anderson

DATA CATEGORY NAME :Land cover - barren land, forest land, perennial ice and snow, rangeland, water, wetlands, estuaries, cropland, pasture, urban/built-up
 GEOGRAPHIC COVERAGE :State managed uplands, approximately 3,000,000 acres scattered throughout state
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 Public Land Survey
 State Plane Coordinates
 Ad hoc grid, unreferenced

MINIMUM RESOLUTION :2-5 acres, 1 acre, site specific
 DATA STORAGE FORMAT :Grid, arc/node, coordinate point, tabular
 OUTPUT PRODUCTS :Maps - variable scale, tables, modelling capability, statistical summaries, composite mapping, interactive video display capability, computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High to low
 UPDATE FREQUENCY :Varies
 CONFIDENTIALITY :Some data in the data base have restricted access
 CLASSIFICATION :Modified Anderson, the ability to summarize by Anderson to level II is retained

DATA CATEGORY NAME :Land use - timber, water use, cropland, transportation, urban/built-up, recreation, parks, ownership, unique areas: cultural, historical, and archaeological
 GEOGRAPHIC COVERAGE :State managed lands, approximately 3,000,000 acres scattered throughout the state
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Universal Transverse Mercator
 Public Land Survey
 State Plane Coordinates
 Ad hoc grid, unreferenced

MINIMUM RESOLUTION :2-5 acres, 1 acre, site specific
 DATA STORAGE FORMAT :Grid, arc/node, coordinate point, tabular
 OUTPUT PRODUCTS :Maps - variable scale, tables, modelling capability,

WA004-01

DATA SOURCES	statistical summaries, composite mapping, interactive video display capability, computer tape	DATA CATEGORY NAME	:Vegetation - species, communities, quality/condition, biomass/volume, age
LEVEL OF RELIABILITY	:Primary and secondary	GEOGRAPHIC COVERAGE	:State managed uplands, approximately 3,000,000 acres scattered throughout the state
UPDATE FREQUENCY	:High to low	GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates Ad hoc grid, unreferenced
CONFIDENTIALITY	:Varies	MINIMUM RESOLUTION	:2-5 acres, 1 acre, site specific
CLASSIFICATION	:Some data in the data base have restricted access	DATA STORAGE FORMAT	:Grid, arc/node, coordinate point, tabular
	:Modified Anderson, ability to summarize by Anderson to level II if retained	OUTPUT PRODUCTS	:Maps - variable scale, tables, modelling capability, statistical summaries, composite mapping, interactive video display capability, computer tape
-----		DATA SOURCES	:Primary and secondary
DATA CATEGORY NAME	:Boundaries - state, counties, townships, watersheds, regional planning districts, section corners (& type), quarter section corners (& type)	LEVEL OF RELIABILITY	:High to low
GEOGRAPHIC COVERAGE	:State managed uplands, approximately 3,000,000 acres scattered throughout the state	UPDATE FREQUENCY	:Varies
GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates Ad hoc grid, unreferenced	CONFIDENTIALITY	:Some data in the data base have restricted access
MINIMUM RESOLUTION	:2-5 acres, 1 acre, site specific	CLASSIFICATION	:Modified Anderson
DATA STORAGE FORMAT	:Grid, arc/node, coordinate point, tabular	-----	
OUTPUT PRODUCTS	:Maps - variable scale, tables, modelling capability, statistical summaries, composite mapping, interactive video display capability, computer tape	DATA CATEGORY NAME	:GLO Survey - General Land Office Survey
DATA SOURCES	:Primary and secondary	GEOGRAPHIC COVERAGE	:Statewide
LEVEL OF RELIABILITY	:High to low	GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates Ad hoc grid, unreferenced
UPDATE FREQUENCY	:Varies	MINIMUM RESOLUTION	:2-5 acres, 1 acre, site specific
CONFIDENTIALITY	:Some data in the data base have restricted access	DATA STORAGE FORMAT	:Grid, arc/node, coordinate point, tabular
-----		OUTPUT PRODUCTS	:Maps - variable scale, tables, modelling capability, statistical summaries, composite mapping, interactive video display capability, computer tape
DATA CATEGORY NAME	:Soils data - type, series, productivity	DATA SOURCES	:Primary and secondary
GEOGRAPHIC COVERAGE	:Statewide	LEVEL OF RELIABILITY	:High to low
GEOGRAPHIC REFERENCE	:Latitude/longitude Universal Transverse Mercator Public Land Survey State Plane Coordinates Ad hoc grid, unreferenced	UPDATE FREQUENCY	:Varies
MINIMUM RESOLUTION	:2-5 acres, 1 acre, site specific	CONFIDENTIALITY	:Some data in the data base have restricted access
DATA STORAGE FORMAT	:Grid, arc/node, coordinate point, tabular	=====	
OUTPUT PRODUCTS	:Maps - variable scale, tables, modelling capability, statistical summaries, composite mapping, interactive video display capability, computer tape	DOCUMENTATION	:Comprehensive documentation is under development
DATA SOURCES	:Primary and secondary	USER FEES POLICY	:No policy has been established yet (new system)
LEVEL OF RELIABILITY	:High to low	DATE OF INFORMATION	:11/8/83
UPDATE FREQUENCY	:Varies	PAPER FILE NUMBER	:WA12
CONFIDENTIALITY	:Some data in the data base have restricted access		

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WA004-01
(cont.)

CODE :WA005-01

STATE :WA
DATA BASE NAME :LCD Element Occurrence
SUBJECT COVERAGE :Elements of natural diversity
GEOGRAPHIC COVERAGE :Statewide
STATUS :Nature Conservancy Program
AGENCY :WA Department of Natural Resources
RESPONDENT :John R. Edwards, Asst. Manager
Division of Private Forestry and Recreation
WA Department of Natural Resources
Mail Stop ER-12
Olympia, WA 98504
Telephone: 206-753-2400
OTHER CONTACTS :Mark Sheehan, Program Manager
Telephone: 206-753-2449
Elise Augenstein, Research Analyst
Telephone: 206-753-2449

COMPUTER FACILITIES

RESIDENCE :Central government computer center
OPERATION :Batch and interactive
GIS CAPABILITY :No

DESCRIPTION OF DATA CATEGORIES

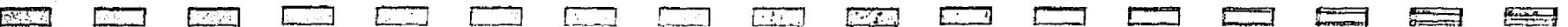
DATA CATEGORY NAME :Elements of natural diversity
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Latitude/longitude
MINIMUM RESOLUTION :Site specific
DATA STORAGE FORMAT :Coordinate point
OUTPUT PRODUCTS :Statistical summaries, listings, computer tape
DATA SOURCES :Primary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Continuous
CONFIDENTIALITY :Sensitivity of data locations requires restricted access
COMMENTS :Data are supplied to USFS

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USER FEES POLICY :Fees are charged on a cost recovery basis
DATE OF INFORMATION :11/8/83
PAPER FILE NUMBER :WA13

ORIGINAL PAGE IS
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WA005-01



CODE :WA006-01

STATE :WA
 DATA BASE NAME :CALMA Mapping System
 SUBJECT COVERAGE :Land use (timber, ownership), boundaries, and soils
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :WA Department of Natural Resources
 RESPONDENT :Glen Phillips, Digital Mapping Supervisor
 WA Department of Natural Resources
 Public Lands Building
 Olympia, WA 98501
 Telephone: 206-753-5009

COMPUTER FACILITIES

COMPUTER(S) :DG NOVA II
 RESIDENCE :In-house
 OPERATION :Interactive
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

OPERATING SYSTEM :CALMA
 SYSTEM CAPACITY :Main memory: 32 K
 Disc storage: 25 MB
 Simultaneous users supported: 2
 SPECIALIZED SOFTWARE :Mapping/plotting software
 PERIPHERAL DEVICES :Mechanical digitizers (2), large or precision
 flatbed pen plotter, alphanumeric CRT's (2)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use -
 timber, ownership
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 MINIMUM RESOLUTION :1 acre
 DATA STORAGE FORMAT :Polygon, coordinate point
 OUTPUT PRODUCTS :Maps - variable scale, statistical summaries,
 composite mapping, interactive video display,
 computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :Moderate
 UPDATE FREQUENCY :Continuous

DATA CATEGORY NAME :Boundaries -
 state, counties, townships
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :State Plane Coordinates
 MINIMUM RESOLUTION :1 acre
 DATA STORAGE FORMAT :Polygon, coordinate point

OUTPUT PRODUCTS

DATA SOURCES :Maps - variable scale, statistical summaries,
 composite mapping, interactive video display,
 computer tape
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Moderate
 :Continuous

DATA CATEGORY NAME

GEOGRAPHIC COVERAGE :Soils data -
 type, series, association, capability class,
 productivity
 GEOGRAPHIC REFERENCE :Statewide
 MINIMUM RESOLUTION :State Plane Coordinates
 DATA STORAGE FORMAT :1 acre
 OUTPUT PRODUCTS :Polygon, coordinate point
 DATA SOURCES :Maps - variable scale, statistical summaries,
 composite mapping, interactive video display,
 computer tape
 LEVEL OF RELIABILITY :Primary and secondary
 UPDATE FREQUENCY :Moderate
 :Continuous

DOCUMENTATION

USER FEES POLICY :Information available on hardware, software, data
 structure, data encoding format/procedure, general
 information
 DATE OF INFORMATION :11/8/83
 PAPER FILE NUMBER :WA14

ORIGINAL PAGE IS
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WA006-01

CODE :WA007-01

STATE :WA
DATA BASE NAME :Hydraulic Project Approval
DATA BASE ACRONYM :HPA
SUBJECT COVERAGE :Surface water
GEOGRAPHIC COVERAGE :Statewide
AGENCY :WA Department of Fisheries
RESPONDENT :Jim Fraser, Regional Habitat Manager
WA State Department of Fisheries
115 General Administration Building
Olympia, WA 98504
Telephone: 206-753-2983

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
RESIDENCE :Central government computer center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
all HPA's for all construction projects working
within the ordinary highwater line of all streams
GEOGRAPHIC COVERAGE :Statewide

STATE :WA
DATA BASE NAME :State Licensed Commercial Dealers and Buyers and Fishermen
SUBJECT COVERAGE :Fisheries
GEOGRAPHIC COVERAGE :Statewide
AGENCY :WA Department of Fisheries
RESPONDENT :Jim Fraser, Regional Habitat Manager
WA State Department of Fisheries
115 General Administration Building
Olympia, WA 98504
Telephone: 206-753-2983

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
RESIDENCE :Central government computer center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -
state licensed commercial dealers and buyers,
gear type, for salmon, marine and shell fish
GEOGRAPHIC COVERAGE :Statewide
UPDATE FREQUENCY :Annual

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DATE OF INFORMATION :11/22/83
PAPER FILE NUMBER :WA15

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DATE OF INFORMATION :11/22/83
PAPER FILE NUMBER :WA15

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WA007-01
WA007-02

CODE :WA007-03

CODE :WA007-04

STATE :WA
 DATA BASE NAME :Washington State Fisheries Statistical Report
 SUBJECT COVERAGE :Fisheries
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :WA Department of Fisheries
 RESPONDENT :Jim Fraser, Regional Habitat Manager
 WA State Department of Fisheries
 115 General Administration Building
 Olympia, WA 98504
 Telephone: 206-753-2983

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 RESIDENCE :Central government computer center

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -
 catch and harvest data for salmon, marine fish,
 shellfish, sport and commercial
 GEOGRAPHIC COVERAGE :Statewide
 UPDATE FREQUENCY :Annual

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DATE OF INFORMATION :11/28/83
 PAPER FILE NUMBER :WA15

STATE :WA
 DATA BASE NAME :Salmon Spawning Ground Data Report
 SUBJECT COVERAGE :Fish
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :WA State Department of Fisheries
 RESPONDENT :Jim Fraser, Regional Habitat Manager
 WA State Department of Fisheries
 115 General Administration Building
 Olympia, WA 98504
 Telephone: 206-753-2983

COMPUTER FACILITIES

COMPUTER(S) :IBM 3081
 CDC CYBER
 RESIDENCE :Central government computer center
 In-house

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Fisheries -
 all aerial, foot, and float surveys of adult salmon
 spawning ground counts
 GEOGRAPHIC COVERAGE :Statewide, but 90 percent of effort occurs in Western
 WA. Note: the Puget Sound and WA coastal areas are
 automated, the Columbia River is non-automated
 GEOGRAPHIC REFERENCE :River mile

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DATE OF INFORMATION :11/28/83
 PAPER FILE NUMBER :WA15

ORIGINAL PAGE IS
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WA007-03
 WA007-04

CODE :WA008-01

STATE :WA
DATA BASE NAME :Demographic Data
GEOGRAPHIC COVERAGE :Statewide
AGENCY :WA Office of Financial Management
RESPONDENT :John Walker, Assistant Director
Forecasting and Estimates Division
WA Office of Financial Management
300 Insurance Building
Mail Stop ER-13
Olympia, WA 98504
Telephone: 206-753-5617

COMPUTER FACILITIES

COMPUTER(S) :ANDANI F70V/B
RESIDENCE :Washington State University

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Socio-economic data -
birth/death certificates, etc.
GEOGRAPHIC COVERAGE :Statewide

DATE OF INFORMATION :6/13/83
PAPER FILE NUMBER :WA7

ORIGINAL PAGE IS
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WA008-01

CODE :WI001-01

DATA SOURCES :Secondary
LEVEL OF RELIABILITY :Moderate
UPDATE FREQUENCY :Annually, projections every 3 years (+/-)

STATE :WI
DATA BASE NAME :WI Population Estimates and Projections
SUBJECT COVERAGE :Demographic data, projections, census data
GEOGRAPHIC COVERAGE :Statewide
AGENCY :WI Department of Administration
RESPONDENT :Don Holl, Chief, Demographic Services
Department of Administration
101 South Webster Street
PO Box 7864
Madison, WI 53707
Telephone: 608-266-1067
OTHER CONTACTS :Robert Naylor, Data User Specialist
Telephone: 608-266-1927
Joan Jones, Management Information Specialist
Telephone: 608-266-5471

USER FEES POLICY :Fees are charged for data processing in excess of \$1.50
or microfiche copies at .25 each (in excess of 10)
DATE OF INFORMATION :7/13/83
PAPER FILE NUMBER :WI6

COMPUTER FACILITIES

COMPUTER(S) :IBM 3290 with 3299 Multiplexor
APPLE Super II's
IBM 360
RESIDENCE :Department of Health and Services (IBM 360 for
handling mammoth data base), University Computer
Center (for computer mapping), In-house Micro (for
research and graphics)
OPERATION :Batch and Interactive
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Monochrome graphics CRT's (6), color business
graphics CRT, color image display, line printer
(character graphics), dot matrix printer with
graphics, color ink-jet, small flatbed pen plot-
ter, hard copy terminals (8), alphanumeric CRT's
(9)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Demography -
populations, social aspects, economic aspects,
projections, census data, for towns, cities,
villages, counties and aggregates
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Civil jurisdictions
MINIMUM RESOLUTION :Township, census data at block level for urban
areas greater than 5000
DATA STORAGE FORMAT :Special, imitable code and via Census "CENSPAC"
OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, computer
tape, statistical summaries, interactive video
display

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WI001-01

CODE :WI002-01

STATE :WI
 DATA BASE NAME :Forest Crop Law Reminder System
 DATA BASE ACRONYM :FCL
 SUBJECT COVERAGE :Forest resources, records for each small private land-owner, location, description, practices
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :The Bureau of Forestry is currently working to upgrade their systems and is deciding on changes. This data base complements WI002-02, Woodland Tax Law Reminder System
 aGENCY :WI Bureau of Forestry
 RESPONDENT :Delores Madigan, Program Assistant 4
 WI Bureau of Forestry
 Department of Natural Resources
 101 South Webster Street
 PO Box 7921
 Madison, WI 53707
 Telephone: 608-266-8019
 OTHER CONTACTS :Milton Reinke, Director, Bureau of Forestry
 Telephone: 608-266-0842

COMPUTER FACILITIES

COMPUTER(S) :IBM 8140B
 ANDAHL
 IBM main frame
 RESIDENCE :Department of Transportation
 OPERATION :Batch
 CIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :OS-MVS
 SYSTEM CAPACITY :Main memory: 16 MB/24 MB (2 Machines)
 LANGUAGE(S) :FORTRAN
 Assembler
 COBOL
 SPECIALIZED SOFTWARE :IMS
 SAS
 MARK IV
 BQL
 PERIPHERAL DEVICES :XEROX 9700 laser printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources - ownership (small private), location, stand numbers, timber volume, timber types, stocking, acres, year of origin, height, growth, site index, soils, management practices
 GEOGRAPHIC COVERAGE :Statewide

GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :10 acres, 40 acres, township, county, ownership unit
 OUTPUT PRODUCTS :Printout with ownership, description and practices
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Unknown
 UPDATE FREQUENCY :Annual

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USER FEES POLICY :No policy established
 DATE OF INFORMATION :8/3/83
 PAPER FILE NUMBER :WI16

ORIGINAL PAGE IS
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W1002-02

CODE :W1002-02

STATE :WI
 DATA BASE NAME :Woodland Tax Law Reminder System
 DATA BASE ACRONYM :WTL
 SUBJECT COVERAGE :Forest resources, records for each smaller private land-owner, location, description, practices
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :The Bureau of Forestry is currently working to upgrade their systems and is deciding on changes. This data base complements W1002-01, Forest Crop Law Reminder System.
 AGENCY :WI Bureau of Forestry
 RESPONDENT :Delores Madigan, Program Assistant 4
 WI Bureau of Forestry
 Department of Natural Resources
 101 South Webster Street
 PO Box 7921
 Madison, WI 53707
 Telephone: 608-266-8019
 Milton Reiske, Director, Bureau of Forestry
 Telephone: 608-266-0842

COMPUTER FACILITIES

COMPUTER(S) :IBM 8140B
 AMDAHL
 IBM mainframe
 RESIDENCE :Department of Transportation
 OPERATION :Batch
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

OPERATING SYSTEM :OS-NVS
 SYSTEM CAPACITY :Main memory: 16 MB/24 MB (2 machines)
 LANGUAGE(S) :FORTRAN
 Assembler
 COBOL
 SPECIALIZED SOFTWARE :IMS
 SAS
 MARK IV
 DQL
 PERIPHERAL DEVICES :XEROX 9700 laser printer

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forest resources - ownership (smaller private), location, stand numbers, timber volume, timber types, stocking, acres, year of origin, height, growth, site index, soils, management practices
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey

MINIMUM RESOLUTION :10 acres, 40 acres, township, county, ownership
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Printout with ownership, description and practices
 DATA SOURCES :Primary
 LEVEL OF RELIABILITY :Unknown
 UPDATE FREQUENCY :Annual

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USER FEES POLICY :No policy established
 DATE OF INFORMATION :8/3/83
 PAPER FILE NUMBER :W116

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CODE :WI003-01

STATE	:WI	OUTPUT PRODUCTS	:Tables, interactive video display, computer tape
DATA BASE NAME	:Integrated Floodplain Repository System	DATA SOURCES	:Primary and secondary
DATA BASE ACRONYM	:IFRS	LEVEL OF RELIABILITY	:Moderate
SUBJECT COVERAGE	:Data associated with floodplain hydrologic and hydraulic studies	UPDATE FREQUENCY	:Whenever several studies accumulate
<hr/>			
GEOGRAPHIC COVERAGE	:Statewide	DATA CATEGORY NAME	:Hydrology - surface -
AGENCY	:WI Bureau of Water Regulation and Zoning		discharge/volume/stage, water body type, watershed boundaries, flooding, floodplains, flood prone areas, stream orders
RESPONDENT	:Lynn Kleppe, Management Information Technician II WI Bureau of Water Regulation and Zoning Department of Natural Resources 101 South Webster Street PO Box 7921 Madison, WI 53707 Telephone: 608-266-6883	GEOGRAPHIC COVERAGE	:Statewide
OTHER CONTACTS	:Dave Daniel, Data Management Coordinator Telephone: 608-266-8038	GEOGRAPHIC REFERENCE	:Public Land Survey River Mile Community :40 acres :Tabular
<hr/>			
<u>COMPUTER FACILITIES</u>			
COMPUTER(S)	:IBM-PC AMDAHL UNIVAC 1100 VAX	MINIMUM RESOLUTION	:Documentation available on data encoding format/procedure, and how to access the data
RESIDENCE	:In-house (IBM-PC), WI Department of Transportation (AMDAHL), University of WI Madison Academic Computing Center (UNIVAC, VAX)	DATA STORAGE FORMAT	:Fees are charged on a cost recovery basis for the Status Report; IFRS hardcopy available at no charge; user pays for interactive retrievals, may charge ten cents per page
OPERATION	:Batch	OUTPUT PRODUCTS	
GIS CAPABILITY	:No	DATA SOURCES	
<hr/>			
<u>IN-HOUSE FACILITIES</u>			
OPERATING SYSTEM	:IBM-PC	LEVEL OF RELIABILITY	
SYSTEM CAPACITY	:Main memory: 512 K	UPDATE FREQUENCY	
LANGUAGE(S)	:BASIC PASCAL	<hr/>	
SPECIALIZED SOFTWARE	:HYDROLOGY LOTUS 1-2-3	DOCUMENTATION	:Documentation available on data encoding format/procedure, and how to access the data
PERIPHERAL DEVICES	:Monochrome graphics CRT, Dendix Data Grid digitizer, hard copy terminals (2), alphanumeric CRT	USER FEES POLICY	:Fees are charged on a cost recovery basis for the Status Report; IFRS hardcopy available at no charge; user pays for interactive retrievals, may charge ten cents per page
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<u>DESCRIPTION OF DATA CATEGORIES</u>			
DATA CATEGORY NAME	:Floodplains -	DATE OF INFORMATION	:8/1/83
	location, legal description, drainage area summary, studies associated with: author, description, methods	PAPER FILE NUMBER	:WI20
GEOGRAPHIC COVERAGE	:Statewide	<hr/>	
GEOGRAPHIC REFERENCE	:Public Land Survey River Mile Community	<u>ORIGINAL PAGE IS OF POOR QUALITY</u>	
MINIMUM RESOLUTION	:40 acres	<hr/>	
DATA STORAGE FORMAT	:Tabular	<hr/>	

CODE :WI004-01

CODE :WI005-01

STATE :WI
 DATA BASE NAME :Forest Fire Report
 SUBJECT COVERAGE :Data on forest fires in WI
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :WI Bureau of Forestry
 RESPONDENT :Duane Dupor, Protection Planning Analyst
 WI Bureau of Forestry
 Department of Natural Resources
 101 South Webster Street
 PO Box 7921
 Madison, WI 53707
 Telephone: 608-266-7978

COMPUTER FACILITIES

COMPUTER(S) :AMDAIL
 RESIDENCE :WI Department of Transportation (AMDAIL)
 University of Wisconsin, Madison
 OPERATION :Batch
 GIS CAPABILITY :No

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :line printer (character graphics)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry - forest fires: location, date, ownership, type of fire, wind, cause, damage, how handled, costs
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 County
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, statistical summaries
 DATA SOURCES :Secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Upon occurrence of fire
 CONFIDENTIALITY :On-going criminal investigations and juvenile case data are subject to restricted access

DOCUMENTATION :"Individual Forest Fire Report Handbook" containing general information and data preparation/encoding procedures
 DATE OF INFORMATION :9/29/83
 PAPER FILE NUMBER :WI22

OF POOR QUALITY

STATE :WI
 DATA BASE NAME :Farmland Preservation Planning and Mapping
 SUBJECT COVERAGE :Agriculture - farmland preservation
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Being automated, expected date of completion: 1985.
 The Farmland Preservation Program is designed to help agricultural landowners and local governments preserve farmland. The program, established by the Wisconsin Legislature in 1977, provides property tax relief in the form of state income tax credit for eligible farmers who participate in local programs designed to preserve farmlands.
 County records being automated. (?)
 AGENCY :WI Department of Agriculture, Trade and Consumer Protection
 RESPONDENT :Jim Johnson, Director, Land Resources Bureau
 WI Department of Agriculture, Trade and Consumer Protection
 801 West Badger Road
 PO Box 8911
 Madison, WI 53708
 Telephone: 608-267-9788
 OTHER CONTACTS :Dave Podroczi, Assistant Director, Farmland Preservation Program
 Telephone: 608-266-9591

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Agriculture (Farmland Preservation) - land use (general), transition areas, soil capability, environmental features, urban service areas, soil suitability/septic, preservation areas"
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Mapped hard copy
 OUTPUT PRODUCTS :Maps - variable scale, tables, graphics, statistical summaries, composite mapping
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Varies by county

DOCUMENTATION :General information is available: legislative material, "Wisconsin's Farmland Preservation Program", "Mapping to Preserve Agricultural Land - Alternatives for Local Officials and Citizens", "Planning Standards"
 USER FEES POLICY :Products and services available at no charge
 DATE OF INFORMATION :10/13/83
 PAPER FILE NUMBER :WI7

WI005-01
WI004-01

CODE :WI006-01

STATE :WI
DATA BASE NAME :Current Mineral Producers
GEOGRAPHIC COVERAGE :Statewide
STATUS :Repository initiated in 1980
AGENCY :WI Geological Survey
RESPONDENT :Cathleen Massie, Geologist
Computer Applications
WI Geological Survey - U.W. Ext.
1815 University Avenue
Madison, WI 53706
Telephone: 608-262-9468

COMPUTER FACILITIES

COMPUTER(S) :UNIVAC 1100
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
BASIC

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Geology -
minerals, producers, locations
GEOGRAPHIC COVERAGE :Statewide
UPDATE FREQUENCY :Source data have been updated within the last 5 years
CONFIDENTIALITY :Some data subject to restricted access

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DATE OF INFORMATION :2/2/83
PAPER FILE NUMBER :WI9-1

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WI006-01

CODE :WI007-01

CODE :WI007-02

STATE :WI
DATA BASE NAME :Wetlands
GEOGRAPHIC COVERAGE :Statewide
STATUS :Approximately 20% of the state completed to date
AGENCY :WI Department of Natural Resources
RESPONDENT :Bill Shaw, Applications Support Chief
WI Department of Natural Resources
101 South Webster Street
P.O. Box 7921
Madison, WI 53701
Telephone: 608-266-2432

COMPUTER FACILITIES

COMPUTER(S) :DG MICRONOVA MP200
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN IV
PERIPHERAL DEVICES :Bendix digitizer, Tektronix 1440

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wetlands
COMMENTS :Wetlands are transcribed to image base maps; digitization was initiated in 1981, and should be completed by 1984

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DATE OF INFORMATION :2/3/83
PAPER FILE NUMBER :WI10-1

STATE :WI
DATA BASE NAME :Shoreland Use
GEOGRAPHIC COVERAGE :Statewide
STATUS :Data base initiated in 1974, completed in 1977
AGENCY :WI Department of Natural Resources
RESPONDENT :Bill Shaw, Applications Support Chief
WI Department of Natural Resources
101 South Webster Street
P.O. Box 7921
Madison, WI 53701
Telephone: 608-266-2432

COMPUTER FACILITIES

COMPUTER(S) :DG MICRONOVA MP200
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN IV
PERIPHERAL DEVICES :Bendix digitizer, Tektronix 1440

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use - shorelines, four categories (high intensity urban to low intensity rural)
GEOGRAPHIC COVERAGE :Statewide
UPDATE FREQUENCY :One-time only

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DATE OF INFORMATION :2/3/83
PAPER FILE NUMBER :WI10-2

ORIGINAL PAGE IS
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WI007-01
WI007-02

CODE :WI007-03

STATE :WI
DATA BASE NAME :Land Inventory of Public Lands
SUBJECT COVERAGE :Public ownership
GEOGRAPHIC COVERAGE :Statewide
STATUS :This data base was initiated in 1976 and will be used for long range planning.
AGENCY :WI Department of Natural Resources
RESPONDENT :Bill Shaw, Applications Support Chief
WI Department of Natural Resources
101 South Webster Street
P.O. Box 7921
Madison, WI 53701
Telephone: 608-266-2432

COMPUTER FACILITIES

COMPUTER(S) :DG MICRONOVA MP200
RESIDENCE :In-house

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN IV
PERIPHERAL DEVICES :Bendix digitizer, Tektronix 1440

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Ownership -
public lands
GEOGRAPHIC COVERAGE :Statewide
DATA SOURCES :Secondary
UPDATE FREQUENCY :One-time (may update in the future)
CLASSIFICATION :Seven categories of governmental areas extracted from
USGS 7 1/2" quadrangles

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DATE OF INFORMATION :2/3/83
PAPER FILE NUMBER :WI10-3

WI007-03

CODE :WI008-01

DATA CATEGORY NAME
GEOGRAPHIC COVERAGE

:Soils data
:Seven counties in southeast Wisconsin

STATE :WI
DATA BASE NAME :Southeast Regional Planning Commission Data Base
SUBJECT COVERAGE :Natural resources data including land use, environmental quality, socio-economic data, surface water hydrology, soils data

GEOGRAPHIC COVERAGE :Seven counties in southeastern Wisconsin
AGENCY :Southeast Regional Planning Commission
RESPONDENT :Tom Patterson
 Southeast Regional Planning Commission
 916 North East Avenue
 Waukesha, WI 53186
 Telephone: 414-547-6721

DATE OF INFORMATION :2/3/83
PAPER FILE NUMBER :WI11

COMPUTER FACILITIES

COMPUTER(S) :IBM 370
RESIDENCE :In-house
GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

LANGUAGE(S) :FORTRAN
 COBOL
 Assembler

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Land use
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

DATA CATEGORY NAME :Environmental quality -
 air quality (point and non-point), water quality
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

DATA CATEGORY NAME :Socio-economic data -
 census data, place of work, unemployment, means of
 transportation, registration, etc.
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

DATA CATEGORY NAME :Surface water hydrology -
 hydrologic basins, sub-basins
GEOGRAPHIC COVERAGE :Seven counties in southeast Wisconsin

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CODE :WI009-01

STATE :WI
DATA BASE NAME :Nongame, Endangered or Threatened Vegetation and Animals
GEOGRAPHIC COVERAGE :Statewide
AGENCY :WI Department of Natural Resources
RESPONDENT :Handle Jurewicz, Staff Biologist
Bureau of Endangered Resources
WI Department of Natural Resources
101 South Webster Street
P.O. Box 7921
Madison, WI 53707
Telephoner: 608-267-7507

DATA SOURCES :Primary
UPDATE FREQUENCY :Continuously
CONFIDENTIALITY :Specific locations subject to restricted access
COMMENTS :Data acquired through field surveys

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DOCUMENTATION :Description of data encoding format/procedure available
DATE OF INFORMATION :3/3/83
PAPER FILE NUMBER :WI13-1

COMPUTER FACILITIES

COMPUTER(S) :APPLE
:UNIVAC
:Unidentified mainframe
RESIDENCE :In-house (APPLE); University of Wisconsin - Madison
(UNIVAC); Department of Transportation

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Vegetation -
rare and endangered species, site, numbers, habitat
summary, drainage basin, condition, status
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
County
Drainage basin
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Interactive video display capability, printouts by
county, township/range/section, species
DATA SOURCES :Primary
UPDATE FREQUENCY :Continuously
CONFIDENTIALITY :Specific locations of sensitive areas subject to re-
stricted access
COMMENTS :Data acquired through field surveys

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DATA CATEGORY NAME :Wildlife -
threatened and endangered species, nongame species
(mammals, birds, fish, marine/estuarial, amphibians,
other), habitat, populations, site, nest order,
drainage basin, population condition, status
GEOGRAPHIC COVERAGE :Statewide
GEOGRAPHIC REFERENCE :Public Land Survey
County
Drainage basin
DATA STORAGE FORMAT :Tabular
OUTPUT PRODUCTS :Interactive video display capability, printouts by
county, township/range/section, species

10-6001A

CODE :WI009-02

CODE :WI101-01

STATE :WI
 DATA BASE NAME :Scientific Areas
 GEOGRAPHIC COVERAGE :Areas in the State of Wisconsin that have county, local or statewide significance for botanical, ecological or historical reasons
 AGENCY RESPONDENT :WI Department of Natural Resources
 :Randle Jurewicz, Staff Biologist
 Bureau of Endangered Resources
 WI Department of Natural Resources
 101 South Webster Street
 P.O. Box 7921
 Madison, WI 53707
 Telephone: 608-267-7507

COMPUTER FACILITIES

COMPUTER(S) :APPLE
 :UNIVAC
 :Unidentified mainframe
 RESIDENCE :In-house (APPLE); University of Wisconsin - Madison
 (UNIVAC); Department of Transportation

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Scientific areas -
 type, significance, designation, drainage basin, physiographic region, ownership, location, size community or feature types, reference information available, endangered species, natural areas, etc.
 GEOGRAPHIC COVERAGE :Statewide (areas of county, local or statewide significance for botanical, ecological or historical reasons)
 MESH/MAIN RESOLUTION :By watershed or river basin, management unit, 1 square mile area, USGS quadrangle
 COMMENTS :Data acquired through field survey

STATE :WI
 DATA BASE NAME :General Surface Waters
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Data base has been automated for approximately 15 years (data collected since the 1950s)
 AGENCY RESPONDENT :WI Department of Natural Resources
 :Cheryl Goodman
 Bureau of Fisheries
 WI Department of Natural Resources
 101 South Webster Street
 P.O. Box 7921
 Madison, WI 53707
 Telephone: 608-267-7591

COMPUTER FACILITIES

COMPUTER(S) :IBM
 :APPLE
 :UNIVAC 1100
 RESIDENCE :In-house (APPLE); University of Wisconsin (IBM and UNIVAC 1100)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Surface water -
 quality, water body type, morphometry, drainage area, vegetation, fish, access, parks and facilities, wetlands adjoining, wildlife, other
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 County
 DATA STORAGE FORMAT :Tabular
 UPDATE FREQUENCY :Data base updated periodically over a 20-year period; it has not been updated for the last 8 years

DOCUMENTATION :"Interpreting the Printout for Scientific and Natural Area Data"
 DATE OF INFORMATION :3/3/83
 PAPER FILE NUMBER :WI13-2

DOCUMENTATION :Programming and operating chart available
 DATE OF INFORMATION :2/23/83
 PAPER FILE NUMBER :WI14

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WI009-02
 WI101-01

CODE :WI011-01

CODE :WI012-01

STATE :WI
 DATA BASE NAME :Public Lands - Forest Reconnaissance
 SUBJECT COVERAGE :Forest management information
 GEOGRAPHIC COVERAGE :Statewide for public lands
 STATUS :Data acquired since 1960, automated about 10 years ago
 AGENCY :WI Department of Natural Resources
 RESPONDENT :Mike Bailey, Survey Specialist
 Bureau of Forestry
 WI Department of Natural Resources
 Tomahawk, WI 54487
 Telephone: 715-453-2188

COMPUTER FACILITIES

RESIDENCE :State Office Building

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Forestry -
 location, timber type, size, volume, density, soils,
 management
 GEOGRAPHIC COVERAGE :Statewide for public lands
 DATA SOURCES :Primary
 UPDATE FREQUENCY :Continuously

USER FEES POLICY :Fees charged on a cost recovery basis
 DATE OF INFORMATION :3/10/83
 PAPER FILE NUMBER :WI118

STATE :WI
 DATA BASE NAME :Benchmark Inventory
 SUBJECT COVERAGE :Topographic information
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Data base initiated in 1980, not yet completed
 AGENCY :WI Department of Natural Resources
 RESPONDENT :Ken Johnson, Environmental Engineer
 Bureau of Water Regulation and Zoning
 WI Department of Natural Resources
 101 South Webster Street
 P.O. Box 7921
 Madison, WI 53713
 Telephone: 608-266-2151

COMPUTER FACILITIESCOMPUTER(S) :UNIVAC
 RESIDENCE :University of Wisconsin (Madison)DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Topography -
 elevation, benchmark inventory
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 County
 Reference in area (e.g. river, dam)
 MINIMUM RESOLUTION :Site specific
 DATA SOURCES :Secondary
 COMMENTS :Data acquired from the Public Service Commission, Rail-
 roads, Department of Transportation, US Geological
 Survey, National Geodetic Survey, other Bureaus of the
 Department of Natural Resources

DATE OF INFORMATION :3/23/83
 PAPER FILE NUMBER :WI21

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WI012-01

STATE :WV
 DATA BASE NAME :Wildlife/Heritage Data Base
 SUBJECT COVERAGE :Elements of natural diversity, wildlife, vegetation, recreation
 GEOGRAPHIC COVERAGE :Statewide
 STATUS :Portions of the data base are associated with the Nature Conservancy Program
 AGENCY :WV Department of Natural Resources
 RESPONDENT :Peter E. Zurbach, Assistant Chief
 Wildlife/Heritage Data Base
 Wildlife Resources Division
 WV Department of Natural Resources
 Ward Road, Routes 219/250 South
 P.O. Box 67
 Elkins, WV 26241
 Telephone: 304-636-1767
 OTHER CONTACTS :Brian R. McDonald, Coordinator

COMPUTER FACILITIES

COMPUTER(S) :ANDAH
 RESIDENCE :WV University
 GIS CAPABILITY :Yes

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Line printer (character graphics), alphanumeric
 CRT's (6)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Elements of natural diversity - rare, threatened and endangered plants and animals, wetland habitats, special or sensitive habitats, unique or outstanding geologic features, significant wildlife breeding and feeding areas, champion size trees and shrubs
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 County
 Watershed
 Topographic quad
 Physiographic region
 MINIMUM RESOLUTION :Site specific
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, composite mapping, computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous, and annually
 CONFIDENTIALITY :Some rare species data is subject to restricted access
 CLASSIFICATION :The Nature Conservancy - Heritage methodology

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DATA CATEGORY NAME :Wildlife - game - mammals, birds, fish; non-game - mammals, birds, fish, reptiles/amphibians; habitat; threatened and endangered; hunting and fishing resources - hunter use surveys, game harvest data, furbearer harvest data, stream survey data, fish harvest data, fishermen use surveys, fish and wildlife stocking data
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Not geographically referenced (general information on species)
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, composite mapping, computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous, annually, and every 5 years
 CONFIDENTIALITY :Rare species data is subject to restricted access
 CLASSIFICATION :Some with the Nature Conservancy - Heritage methodology
 DATA CATEGORY NAME :Vegetation - species, communities, rare and endangered
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Latitude/longitude
 Not geographically referenced
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables, graphics, statistical summaries, composite mapping, computer tape
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High to moderate
 UPDATE FREQUENCY :Continuous
 CONFIDENTIALITY :Rare species data are subject to restricted access
 CLASSIFICATION :Some of the data are stored using The Nature Conservancy - Heritage methodology
 DATA CATEGORY NAME :Recreation - natural areas location and description, state managed areas (parks, forests, public hunting and fishing areas)
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Not geographically referenced
 MINIMUM RESOLUTION :Site specific
 DATA STORAGE FORMAT :Manual files
 DATA SOURCES :Primary

LEVEL OF RELIABILITY :High
UPDATE FREQUENCY :Whenever new areas are added or changes are made

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DOCUMENTATION :A general information brochure is available
USER FEES POLICY :Fees are charged on a cost recovery and support basis.
Users are charged \$50/hr with a \$25 minimum. Reciprocal
agreements, for users providing information to the data
base, can be negotiated for reduced or deferred fees.
DATE OF INFORMATION :9/26/93
PAPER FILE NUMBER :WV9

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WV001-01
(cont.)



CODE :WY001-01

STATE :WY
 DATA BASE NAME :Wildlife Observation System
 DATA BASE ACRONYM :WOS
 SUBJECT COVERAGE :Game and non-game wildlife, animal activity, mortality codes, vegetation communities
 GEOGRAPHIC COVERAGE :Statewide
 AGENCY :WY Game and Fish Department
 RESPONDENT :Lee Wellrib, Biologist Technician
 Biological Services
 WY Game and Fish Department
 5400 Bishop Boulevard
 Cheyenne, WY 82002
 Telephone: 307-777-7605

COMPUTER FACILITIES

COMPUTER(S) :IBM 3278 (2)
 RESIDENCE :In-house, (batch requests are run from Central Government Computer Center's main frame)
 OPERATION :Batch
 GIS CAPABILITY :Partial

IN-HOUSE FACILITIES

PERIPHERAL DEVICES :Tektronix 4631 hard copy terminal, Tektronix 4051 alphanumeric CRT, Tektronix 4907 floppy disc drive (not used for the Wildlife Observation System)

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Wildlife - game mammals, game birds, non-game mammals, non-game birds, non-game reptiles/amphibians, management, threatened and endangered
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :40 acres
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 COMMENTS :Data is supplied to the BLM

DATA CATEGORY NAME :Animal activity - activity animal is engaged in when observed
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey

MINIMUM RESOLUTION :40 acres
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 COMMENTS :Data is supplied to the BLM

DATA CATEGORY NAME :Mortality codes - fence, predation, harvest, physiological stress, pesticide and pollution, accidents, disease, cause undetermined
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :40 acres
 DATA STORAGE FORMAT :Tabular
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 COMMENTS :Data is supplied to the BLM

DATA CATEGORY NAME :Vegetation - communities by species
 GEOGRAPHIC COVERAGE :Statewide
 GEOGRAPHIC REFERENCE :Public Land Survey
 MINIMUM RESOLUTION :40 acres
 DATA STORAGE FORMAT :Single segment multiple data record
 OUTPUT PRODUCTS :Tables
 DATA SOURCES :Primary and secondary
 LEVEL OF RELIABILITY :High
 UPDATE FREQUENCY :Continuous
 COMMENTS :Data is supplied to the BLM

DOCUMENTATION :Available on data encoding format/procedure, data type, and general information
 "Wildlife Observation System" WY Game and Fish Department 1980
 "Wildlife Observation Forms" WY Game and Fish Department

USER FEES POLICY :Charges made on a cost recovery basis to other agencies only
 DATE OF INFORMATION :8/18/83
 PAPER FILE NUMBER :WYS

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WY001-01

CODE :WY002-01

STATE :WY
DATA BASE NAME :WY Natural Heritage Program
GEOGRAPHIC COVERAGE :Statewide
STATUS :This program was undertaken as a cooperative effort between the State of Wyoming and The Nature Conservancy, a national nonprofit conservation organization.
AGENCY :WY Natural Heritage Program
RESPONDENT :Bob Lichvar, Coordinator/Botanist
WY Natural Heritage Program
1603 Capitol Avenue
Room 325
Cheyenne, WY 82001
Telephone: 307-634-9629
OTHER CONTACTS :Lisa Engbreton, Data Entry Specialist
:Scott Findholt, Zoologist
:Ellen Collins, Plant Ecologist
:Joyce Federer, Secretary
:Shellie Gareau, Procedures Specialist
The Nature Conservancy
1800 North Kent Street
Arlington, VA 22209
Telephone: 703-841-5300

COMPUTER FACILITIES

COMPUTER(S) :IBM

DESCRIPTION OF DATA CATEGORIES

DATA CATEGORY NAME :Natural diversity elements - ecological values (plant and animal species, plant communities, aquatic systems, critical habitats and other natural features) of particular interest because they are exemplary, rare, or endangered at the state or national level
GEOGRAPHIC COVERAGE :Statewide

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DOCUMENTATION :"The Nature Conservancy News" (bimonthly newsletter available through The Nature Conservancy, Arlington, VA)
DATE OF INFORMATION :1/21/83
PAPER FILE NUMBER :WY6

WY002-01

Appendix 5
KEYWORD RETRIEVAL

Key File # 1 - CODE
Key File # 2 - STATE
Key File # 3 - DATA BASE NAME
Key File # 4 - DATA BASE ACRONYM
Key File # 5 - AGENCY
Key File # 6 - RESPONDENT
Key File # 7 - COMPUTER
Key File # 8 - GIS CAPABILITY
Key File # 9 - LANGUAGE
Key File #10 - SPECIALIZED SOFTWARE
Key File #11 - DATA CATEGORY NAME
Key File #12 - GEOGRAPHIC REFERENCE
Key File #13 - DATA SOURCES
Key File #14 - LEVEL OF RELIABILITY

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<u>FILE #</u>	<u>CODE</u>	<u>FILE #</u>	<u>CODE</u>
1	AK001-01	64	ILO07-01
2	AK002-01	65	ILO07-02
3	AK002-02	66	ILO07-03
4	AK002-03	67	ILO07-04
5	AK003-01	68	ILO08-01
6	AL001-01	69	ILO09-01
7	AL002-01	70	IN001-01
8	AL003-01	71	IN001-02
9	AR001-01	72	IN002-01
10	AZ001-01	73	KS001-01
11	AZ001-02	74	KS002-01
12	AZ001-03	75	KS003-01
13	AZ001-04	76	KS004-01
14	AZ002-01	77	KS005-01
15	AZ003-01	78	KS005-02
16	CA001-01	79	KS006-01
17	CA001-02	80	KS007-01
18	CA001-03	81	KS008-01
19	CA002-01	82	KS008-02
20	CA003-01	83	KS009-01
21	CA004-01	84	KS010-01
22	CA005-01	85	KS011-01
23	CO001-01	86	KS011-02
24	CO002-01	87	KS011-03
25	CO003-01	88	KS011-04
26	CO004-01	89	KS011-05
27	CT001-01	90	KS011-06
28	CT002-01	91	KS011-07
29	CT003-01	92	KS011-08
30	DE001-01	93	KS012-01
31	DE002-01	94	KS013-01
32	FL001-01	95	KS014-01
33	FL002-01	96	KS014-02
34	FL003-01	97	KS014-03
35	FL004-01	98	KS014-04
36	HI001-01	99	KS014-05
37	HI002-01	100	KS014-06
38	HI002-02	101	KS014-07
39	HI003-01	102	KS015-01
40	HI004-01	103	KY001-01
41	HI004-02	104	KY002-01
42	HI004-03	105	LA001-01
43	HI005-01	106	LA002-01
44	IA001-01	107	LA003-01
45	IA002-01	108	MA001-01
46	ID001-01	109	MA002-01
47	ID001-02	110	MA003-01
48	ID001-03	111	MA004-01
49	ID001-04	112	MD001-01
50	ID001-05	113	MD001-02
51	ID002-01	114	MD001-03
52	ID002-02	115	MD002-01
53	ID003-01	116	ME001-01
54	ID004-01	117	ME001-02
55	ID005-01	118	MI001-01
56	ID006-01	119	MI002-01
57	IL001-01	120	MI003-01
58	IL002-01	121	MN001-01
59	IL003-01	122	MN002-01
60	IL004-01	123	MN003-01
61	IL005-01	124	MN004-01
62	IL006-01	125	MN005-01
63	IL006-02	126	MN001-01

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<u>FILE #</u>	<u>CODE</u>	<u>FILE #</u>	<u>CODE</u>
127	M0001-02	190	NY004-01
128	M0001-03	191	NY005-01
129	M0001-04	192	OH001-01
130	M0002-01	193	OH002-01
131	M0003-01	194	OK001-01
132	M0004-01	195	OK001-02
133	MS001-01	196	OK001-03
134	MS001-02	197	OK001-04
135	MS001-03	198	OK001-05
136	MS001-04	199	OK001-06
137	MS001-05	200	OK001-07
138	MS001-06	201	OK002-01
139	MS001-07	202	OK003-01
140	MS001-08	203	OK004-01
141	MS001-09	204	OK005-01
142	MS001-10	205	OK006-01
143	MS001-11	206	OK007-01
144	MS001-12	207	OK008-01
145	MS002-01	208	OR001-01
146	MS002-02	209	OR002-01
147	MS003-01	210	OR003-01
148	MT001-01	211	OR004-01
149	MT002-01	212	OR005-01
150	MT003-01	213	OR006-01
151	MT004-01	214	OR007-01
152	MT005-01	215	OR008-01
153	MT005-02	216	OR009-01
154	NC001-01	217	OR010-01
155	NC002-01	218	OR011-01
156	NC003-01	219	OR012-01
157	NC004-01	220	PA001-01
158	NC005-01	221	PA002-01
159	NC006-01	222	PA003-01
160	NC006-02	223	PA003-02
161	NC006-03	224	PA003-03
162	NC007-01	225	PA003-04
163	NC008-01	226	PA003-05
164	ND001-01	227	PA003-06
165	ND002-01	228	PA003-07
166	ND003-01	229	PA003-08
167	NE001-01	230	PA004-01
168	NE002-01	231	PA005-01
169	NJ001-01	232	PA006-01
170	NJ002-01	233	PA007-01
171	NJ002-02	235	PA008-01
172	NJ003-01	235	PA008-02
173	NJ004-01	236	PA008-03
174	NJ005-01	237	PA008-04
175	NJ005-02	238	PA009-01
176	NJ006-01	239	PA010-01
177	NJ007-01	240	PA011-01
178	NJ008-01	241	PA012-01
179	NJ009-01	242	PA013-01
180	NJ009-02	243	PA014-01
181	NJ009-03	244	PA015-01
182	NJ010-01	245	PA016-01
183	NM001-01	246	PA017-01
184	NM002-01	247	PA018-01
185	NM003-01	248	PR001-01
186	NV001-01	249	PR002-01
187	NY001-01	250	PR003-01
188	NY002-01	251	PR004-01
189	NY003-01	252	RI001-01

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KEY FILE # 1
(cont.)

<u>FILE #</u>	<u>CODE</u>	<u>FILE #</u>	<u>CODE</u>
253	RI002-01	289	VT002-01
254	SC001-01	290	VT003-01
255	SC002-01	291	WA001-01
256	SD001-01	292	WA001-02
257	SD002-01	293	WA001-03
258	SD003-01	294	WA001-04
259	SD004-01	295	WA001-05
260	TN001-01	296	WA002-01
261	TN001-02	297	WA003-01
262	TN002-01	298	WA004-01
263	TN002-02	299	WA005-01
264	TN003-01	300	WA006-01
265	TX001-01	301	WA007-01
266	TX001-02	302	WA007-02
267	UT001-01	303	WA007-03
268	VA001-01	304	WA007-04
269	VA002-01	305	WA008-01
270	VA003-01	306	WI001-01
271	VA003-02	307	WI002-01
272	VA003-03	308	WI002-02
273	VA003-04	309	WI003-01
274	VA004-01	310	WI004-01
275	VA005-01	311	WI005-01
276	VA006-01	312	WI006-01
277	VA007-01	313	WI007-01
278	VA008-01	314	WI007-02
279	VA009-01	315	WI007-03
280	VA010-01	316	WI008-01
281	VA011-01	317	WI009-01
282	VA012-01	318	WI009-02
283	VA013-01	319	WI010-01
284	VA014-01	320	WI011-01
285	VA015-01	321	WI012-01
286	VA016-01	322	WV001-01
287	VA017-01	323	WY001-01
288	VT001-01	324	WY002-01

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<u>STATE</u>	<u>CODE</u>	<u>STATE</u>	<u>CODE</u>
AK	AK001-01 AK002-01 AK002-02 AK002-03 AK003-01 5	IL	ID003-01 ID004-01 ID005-01 ID006-01 11
AL	AL001-01 AL002-01 AL003-01 3		IL001-01 IL002-01 IL003-01 IL004-01 IL005-01
AR	AR001-01 1		IL006-01 IL006-02
AZ	AZ001-01 AZ001-02 AZ001-03 AZ001-04 AZ002-01 AZ003-01 6		IL007-01 IL007-02 IL007-03 IL007-04 IL008-01 IL009-01 13
CA	CA001-01 CA001-02 CA001-03 CA002-01 CA003-01 CA004-01 CA005-01 7	IN	IN001-01 IN001-02 IN002-01 3
CO	C0001-01 C0002-01 C0003-01 C0004-01 4		KS001-01 KS002-01 KS003-01 KS004-01 KS005-01 KS005-02
CT	CT001-01 CT002-01 CT003-01 3		KS006-01 KS007-01 KS008-01 KS008-02 KS009-01
DE	DE001-01 DE002-01 2		KS010-01 KS011-01 KS011-02 KS011-03 KS011-04
FL	FL001-01 FL002-01 FL003-01 FL004-01 4		KS011-05 KS011-06 KS011-07 KS011-08 KS012-01
HI	HI001-01 HI002-01 HI002-02 HI003-01 HI004-01 HI004-02 HI004-03 HI005-01 8		KS013-01 KS014-01 KS014-02 KS014-03 KS014-04 KS014-05 KS014-06 KS014-07 KS015-01 30
IA	IA001-01 IA002-01 2	KY	KY001-01 KY002-01 2
ID	ID001-01 ID001-02 ID001-03 ID001-04 ID001-05 ID002-01 ID002-02	LA	LA001-01 LA002-01 LA003-01 3
		MA	MA001-01 MA002-01

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<u>STATE</u>	<u>CODE</u>	<u>STATE</u>	<u>CODE</u>
	MA003-01	ND	ND001-01
	MA004-01		ND002-01
	4		ND003-01
MD	MD001-01	NE	3
	MD001-02		NE001-01
	MD001-03		NE002-01
	MD002-01		2
	4	NJ	NJ001-01
ME	ME001-01		NJ002-01
	ME001-02		NJ002-02
	2		NJ003-01
MI	MI001-01		NJ004-01
	MI002-01		NJ005-01
	MI003-01		NJ005-02
	3		NJ006-01
MN	MN001-01		NJ007-01
	MN002-01		NJ008-01
	MN003-01		NJ009-01
	MN004-01		NJ009-02
	MN005-01		NJ009-03
	5		NJ010-01
MO	MO001-01		14
	MO001-02	NM	NM001-01
	MO001-03		NM002-01
	MO001-04		NM003-01
	MO002-01		3
	MO003-01	NV	NV001-01
	MO004-01		1
	7	NY	NY001-01
MS	MS001-01		NY002-01
	MS001-02		NY003-01
	MS001-03		NY004-01
	MS001-04		NY005-01
	MS001-05		5
	MS001-06	OH	OH001-01
	MS001-07		OH002-01
	MS001-08		2
	MS001-09	OK	OK001-01
	MS001-10		OK001-02
	MS001-11		OK001-03
	MS001-12		OK001-04
	MS002-01		OK001-05
	MS002-02		OK001-06
	MS003-01		OK001-07
	15		OK002-01
MT	MT001-01		OK003-01
	MT002-01		OK004-01
	MT003-01		OK005-01
	MT004-01		OK006-01
	MT005-01		OK007-01
	MT005-02		OK008-01
	6		14
NC	NC001-01	OK	OR001-01
	NC002-01		OR002-01
	NC003-01		OR003-01
	NC004-01		OR004-01
	NC005-01		OR005-01
	NC006-01		OR006-01
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	NC006-03		OR008-01
	NC007-01		OR009-01
	NC008-01		OR010-01
	10		OR011-01
			OR012-01
			12

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<u>STATE</u>	<u>CODE</u>	<u>STATE</u>	<u>CODE</u>
PA	PA001-01 PA002-01 PA003-01 PA003-02 PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 PA004-01 PA005-01 PA006-01 PA007-01 PA008-01 PA008-02 PA008-03 PA008-04 PA009-01 PA010-01 PA011-01 PA012-01 PA013-01 PA014-01 PA015-01 PA016-01 PA017-01 20	VT	VA005-01 VA006-01 VA007-01 VA008-01 VA009-01 VA010-01 VA011-01 VA012-01 VA013-01 VA014-01 VA015-01 VA016-01 VA017-01 3
PR	PR001-01 PR002-01 PR003-01 PR004-01 4	WA	WA001-01 WA001-02 WA001-03 WA001-04 WA001-05 WA002-01 WA003-01 WA004-01 WA005-01 WA006-01 WA007-01 WA007-02 WA007-03 WA007-04 WA008-01 15
RI	RI001-01 RI002-01 2	WI	WI001-01 WI002-01 WI002-02 WI003-01 WI004-01 WI005-01 WI006-01 WI007-01 WI007-02 WI007-03 WI008-01 WI009-01 WI009-02 WI10-01 WI11-01 WI12-01 16
SC	SC001-01 SC002-01 2		WI003-01 WI004-01 WI005-01 WI006-01 WI007-01 WI007-02 WI008-01 WI009-01 WI009-02 WI10-01 WI11-01 WI12-01 1
SD	SD001-01 SD002-01 SD003-01 SD004-01 4		WI004-01 WI005-01 WI006-01 WI007-01 WI007-02 WI007-03 WI008-01 WI009-01 WI009-02 WI10-01 WI11-01 WI12-01 16
TN	TN001-01 TN001-02 TN002-01 TN002-02 TN003-01 5		WI009-01 WI009-02 WI10-01 WI11-01 WI12-01 16
TX	TX001-01 TX001-02 2	WV	WV001-01 1
UT	UT001-01 1	WY	WY001-01 WY002-01 2
VA	VA001-01 VA002-01 VA003-01 VA003-02 VA003-03 VA003-04 VA004-01		

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<u>DATA BASE NAME</u>	<u>CODE</u>	<u>DATA BASE NAME</u>	<u>CODE</u>
ACCESS	KS009-01	CA Natural Diversity	CA005-01
	1		1
ACID	MA004-01	Cascade Resource Are	ID001-04
	1		1
Aeromagnetic Survey	KS006-01	CA Statewide Soils I	CA002-01
	1		1
Air Quality Data Man	CT002-01	Caves	MO001-02
	WA001-03		1
	2	Census and Economic	MT002-01
Air Quality Permit A	PA016-01		1
	1	Center for Rural Stu	VT002-01
AK Land and Resource	AK001-01		1
	1	Chemical Analysis of	KS007-01
Allocated & Unallocat	OK006-01		1
	1	Chemical Data	VA003-01
Alosid File	VA001-01		1
	1	CHOCTAW GMA	MS001-04
AL Resource Informat	AL001-01		1
	1	Claims and Overpayme	OK001-05
Ambient Lakes Databa	IL009-01		1
	1	Clay Retrieval	KS011-01
Anadromous Waters Ca	AK002-02		1
	1	Climatological Data	MO003-01
Application Informat	WA003-01		SD001-01
	1	Coal Mine Permit Dat	ND002-01
Aquarium Fish Catch	HI004-03		1
	1	Coal Reserves	KS004-01
Aquatic Data Analysi	KS014-01		1
	1	Coal Resource and Mi	IL006-01
AR Natural Heritage	AR001-01		1
	1	Coastal Regulatory D	NJ005-01
Automated Geographic	UT001-01		1
	1	Coastal Resource Dat	HI002-01
AZ Land Resource Inf	AZ001-04		1
	1	Coastal Zone Geograp	WA001-02
AZ Natural Heritage	AZ003-01		1
	1	CO Inventory of Cult	CO003-01
AZ Vegetation Invent	AZ001-01		1
	1	Commercial Fish Catc	HI004-02
Balance File	OK001-07		1
	1	Commonwealth Data Ba	VA014-01
Basic Well Data	IL007-03		1
	1	Compliance Monitorin	NC006-01
Bay Area Spatial Inf	CA004-01		1
	1	Comprehensive Plan	NJ002-01
Benchmark Inventory	WI012-01		1
	1	CO Natural Heritage	CO004-01
Benthic Surveys	VA002-01		1
	1	Core Collection	KS005-02
BIGBEE	MS001-08		1
	1	CO Resource Informat	CO002-01
Biological	NC006-03		1
	1	CORRIDOR	MS001-11
Branch Library Manag	NC001-01		1
	1	Creel Census Data	KS014-02
Breeding Bird Atlas	NY004-01		1
	1	CT Census Data Cente	CT001-01
BRIDGE	MS001-12		1
	1	CT Natural Resources	CT003-01
Brine Analysis - Kan	KS012-01		1
	1	Current Meter Data	VA004-01
CALMA Mapping System	WA006-01		1
	1		

PRECEDING PAGE BLANK NOT FILMED

<u>DATA BASE NAME</u>	<u>CODE</u>	<u>DATA BASE NAME</u>	<u>CODE</u>
Current Mineral Prod	WI006-01	General Climatologic	MS001-03
	1		1
Dam Inventory	ID004-01	General Surface Wate	WI010-01
	1		1
Delaware Valley Regi	PA005-01	Geographic Multiple	WA004-01
	1		1
Delinquent Payments	OK001-06	Geothermal	KS008-01
	1		1
Demographic Data	NE002-01	Ground Water Quality	IL008-01
	WA008-01		1
	2	Ground Water Managem	VT001-01
DEP Geographic Data	NJ010-01		1
	1	Groundwater Sources	OR008-01
DEPFFINV and DistFw	NJ007-01		1
	1	Habitat Assessment M	AK002-01
Detail File	OK001-03		1
	1	HI Planning Activiti	HI002-02
Detailed Payment Fil	OK001-04		1
	1	Historic Sites Inven	HI001-01
DE Water Use Data Sy	DE002-01	HODGES GARDENS	LA002-01
	1		1
Digital Topo Databas	AZ001-02	Hunter Report Cards	KS014-03
	1		1
Directory of Mineral	PA008-03	Hydraulic Project Ap	WA007-01
	1		1
Diversion Allocation	NJ009-02	Hydrological Data Ba	PR002-01
	1		1
Division of Recreati	FL003-01	Hydrologic Informati	VA005-01
	1		1
Economic Planning In	HI005-01	IA Natural Areas Inv	IA001-01
	1		1
Elk Habitat Inventor	OR001-01	IA Water Resources D	IA002-01
	1		1
Environmental Radiat	NC004-01	ID Water Use Data Sy	ID005-01
	1		1
Farmland Mapping and	CA003-01	IDWR Image Analysis	ID001-01
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Forest Fire Report	WI004-01	ILLIMAP	IL007-04
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Forest Operator-Land	OR006-01	IN Heritage Program	IN002-01
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Forest Resource Surv	OR002-01	Insect Damage Survey	OR007-01
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Freshwater Wetlands	NY003-01	Insect and Disease S	PA002-01
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Furbearer Harvest Su	KS014-06	Integrated Flood Obs	PA011-01
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Gas Production	KS011-03	Integrated Floodplai	WI003-01
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Intents to Drill	KS011-06	MD Automated Geograp	MD001-01
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Kansas Data Base	KS002-01	MD Geographic Distri	MD001-02
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KS On-line Automated	KS010-01	MD Natural Heritage	MD002-01
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KS Policy Database S	KS001-01	MD Recreation Invent	MD001-03
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KY Heritage Program	KY002-01	ME Lakes Morphometri	ME001-01
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KY Natural Resources	KY001-01	ME Lakes Water Quali	ME001-02
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LA Areal Resource In	LA003-01	MI Natural Features	MI003-01
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LA Water Well Invent	LA001-01	Mineral Resources	KS011-04
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Land Area Inventory	PA003-02	Minerals Storage and	PA003-05
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Land Classification	CA001-02	Miners Data Base	IL007-01
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Land Cover	MO001-01	MI Resource Informat	MI002-01
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Land Information and	ID002-01	MN Ambient Air Quali	MN002-01
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Land Inventory of Pu	WI007-03	MN Ambient Ground-Wa	MN003-01
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Landlines Database	AZ001-03	MN Land Management I	MN001-01
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Landmarks Research D	VA010-01	MN Natural Heritage	MN005-01
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Land Resources Infor	NC007-01	Model Implementation	IN001-01
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Landsat Crop Invento	AZ002-01	MO Natural Heritage	MO004-01
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Landsat Forest Inven	OK005-01	MONTAN DAM	MT004-01
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Landsat Remote Sensi	RIO01-01	MS Automated Resourc	MS002-01
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Landslide Informatio	IL006-02	MS State Data Base	MS002-02
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Land Use	CA001-01	MS State Heritage Pr	MS003-01
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Land Use Change	DE001-01	MT Trust Lands Inven	MT001-01
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LEAF RIVER GMA	MS001-05	Natural Areas	MO001-04
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Lease Legal Descript	OK001-02	Natural, Cultural an	PR003-01
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MA Heritage Program	MA002-01	ND Natural Heritage	ND003-01
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Marine Fish Transect	HI004-01	NE Natural Resources	NE001-01
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Marine Resources Geo	FL001-01	New England Regional	MA003-01
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MA Wildlife Inventor	MA001-01	NJ Energy Data Syste	NJ003-01
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NM Natural Resources	NM001-01	Picture-Rocks-Sonest	PA008-01
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NM State Heritage Pr	NM003-01		1
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Non-game, Endangered	WJ009-01		1
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Non-game Wildlife In	WA002-01		1
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Non-point Source (Run	VA006-01		1
	1	Private Land - Fores	ID002-02
NOXUBEE	MS001-09		1
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NSB Geographic Infor	AK003-01		1
	1	Public Lands - Fores	WI011-01
NYS Adirondack Park	NY005-01		1
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Observation Well Lev	VA003-02		1
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OH Capability Analys	OH001-01		1
	1	Pumpage and Use	VA003-03
OH Natural Heritage	OH002-01		1
	1	Rare and Endangered	MO001-03
Oil & Gas Field File	OK007-01		1
	1	Reading Prong	PA008-04
Oil Production	KS011-07		1
	1	Recreation Resources	OR012-01
OK Climatological Su	OK004-01		1
	1	Regional Climate Coo	IL001-01
OK Geographic Inform	OK002-01		1
	1	Reservoir Contents	MO005-01
OK Natural Heritage	OK008-01		1
	1	Resource Inventory	HI003-01
OK Water Use Data Sy	OK003-01		1
	1	RI Heritage Program	RID02-01
OR Natural Heritage	OR010-01		1
	1	RUN WILD	AL003-01
OSCUR 2 Forest Inven	OR004-01		1
	1	Rural Mail Carrier S	KS014-07
Oyster Spatfall Data	VA007-01		1
	1	Salmon Spawning Grou	WA007-04
PA Abandoned Mine La	PA007-01		1
	1	SC Heritage Trust	SC002-01
PA Bureau of Forestr	PA003-08		1
	1	Scientific Areas	WI009-02
PA Emmission Data Sy	PA012-01		1
	1	SC Natural Resources	SC001-01
PA Fish and Wildlife	PA001-01		1
	1	SD Natural Heritage	SD003-01
PA Mineral List	PA008-02		1
	1	SEDA-Council of Gove	PA006-01
PA Natural Diversity	PA003-03		1
	1	Seismic	KS008-02
PA Recreation Inventory	PA017-01		1
	1	Self-Supplied Water	NJ002-02
PA State Data Center	PA018-01		1
	1	SELGEM	KS015-01
PA Stream and Lake I	PA004-01		1
	1	Shorefront Municipal	NJ005-02
Pearl River	MS001-07		1
	1	Shoreland Use	WI007-02
Permit Files	PA015-01		1
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Shoreline Management	WA001-01	VA Natural Diversity	VA017-01
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Significant Habitats	NY002-01	VA Outdoor Plan Info	VA012-01
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Small Fish Survey	VA008-01	Vegetation Water Use	CA001-03
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Small Game Harvest S	KS014-05	VIMS Hydrographic Da	VA011-01
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Snowmobile Registrat	PA003-07	VA Water Use Data Sy	VA015-01
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Socio-economic Data	KS003-01	WA State Fisheries S	WA007-03
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Soil Testing Program	NC005-01	Water Data Water Wel	VA003-04
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Soils Reference	MS001-02	Waterflood Oil Produ	IL007-02
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Solid Waste Activity	PA013-01	Waterfowl Chronology	KS014-04
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Solid Waste Facility	MN004-01	Water Permit Annual	ND001-01
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Southeast Regional P	WI008-01	Water Resources Data	PA009-01
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Southwest Groundwate	KS013-01	Water Rights Data Ba	ID006-01
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Spatial Data Analysi	VA016-01	Water Rights Informa	OR011-01
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State Forest Invento	NJ008-01	Water Supply Analyse	NC008-01
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State Licensed Comme	WA007-02	Water Use	TN001-01
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State Park Basic Inf	PA014-01	Water Well Inventory	PA010-01
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Statewide Digital Da	AL002-01		2
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Status, Trends and U	NV001-01	Well Completion Form	KS011-05
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Streamflow Records	OR009-01	Well Permits	NJ009-01
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Stream Flows	MT005-02	Well Records	NJ009-03
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Survey and Landings	VA009-01	Well Samples	KS005-01
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Survey of Mining Ope	NJ004-01	Well Unit Master Fil	OK001-01
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Talahalla Game Manag	MS001-06	Wetlands	WI007-01
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Timber Sales Trackin	PA003-04	Wildlife Distributio	AK002-03
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Timber Volume Invent	PA003-01	Wildlife/Heritage Da	WV001-01
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TN Natural Heritage	TN002-01	Wildlife Observation	WY001-01
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TX Natural Resources	TX001-01	Woodland Tax Law Rem	WI002-02
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Urban Wildlife Habit	NY001-01	WRIS Water Right Cla	WA001-04
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VA Large Scale Econo	VA013-01	WY Natural Heritage	WY002-01
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GEOMAPS	WA004-01	PNDI	PA003-03
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HISARS	VA005-01	PROCEDURES	MO002-01
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H-PASS	HIO02-02	RASA	ID001-02
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AK Department of Fis	AK002-01	DE River Basin Commi	NJ002-01
	AK002-02		NJ002-02
	AK002-03		2
	3	DE Valley Regional	PA005-01
AK Department of Nat	AK001-01		1
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AL Department of Con	AL003-01		1
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AL Department of Eco	AL001-01		FL003-01
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AL Power Company	AL002-01	Geographic Resources	M0002-01
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AR Natural Heritage	AR001-01	HI Department of Lan	HI001-01
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Association of Bay A	CA004-01		HI004-01
	1		HI004-02
AZ Department of Wat	AZ002-01		HI004-03
	1	HI Department of Pla	HI002-01
AZ Game and Fish Dep	AZ003-01		HI002-02
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AZ State Land Depart	AZ001-01	IA Conservation Comm	IA001-01
	AZ001-02		1
	AZ001-03	IA Geological Survey	IA002-01
	AZ001-04	ID Department of Lan	ID002-01
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Butler University	IN001-01		ID001-02
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CA Department of Con	CA002-01		ID001-05
	CA003-01		ID003-01
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CA Department of Wat	CA001-01		ID005-01
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	CA001-03		9
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CA Natural Diversity	CA005-01		IL003-01
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Center for Applicati	OK002-01	IL Environmental Pro	IL009-01
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Center for Public Af	KS001-01	IL Natural History S	IL005-01
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Center for Remote Se	DE001-01	IL State Geological	IL006-01
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Center for Rural Stu	VT002-01		IL007-01
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CO Department of Nat	CO001-01		IL007-03
	CO002-01		IL007-04
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CO Historical Societ	CO003-01	IL State Museum	IL004-01
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CO Natural Heritage	CO004-01	IL State Water Surv	IL001-01
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CT Office of Policy	CT001-01	KS Biological Survey	KS015-01
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DE Department of Nat	DE002-01		
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KS Department of Eco	KS003-01	MN State Planning Ag	MN001-01
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KS Fish and Game Com	KS014-01	MO Department of Con	MO001-01
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	KS014-06	MO Department of Nat	M0004-01
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KS Geological Survey	7	MS Remote Sensing Ce	LA002-01
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	KS004-01		NS001-02
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	KS007-01		MS001-06
	KS008-01		MS001-07
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	KS009-01		MS001-09
	KS010-01		MS001-10
	KS011-01		MS001-11
	KS011-02		MS001-12
	KS011-03		PR001-01
	KS011-04		14
	KS011-05	MS Research & Develo	MS002-01
	KS011-06		MS002-02
	KS011-07		2
	KS011-08	MS State Heritage Pr	MS003-01
	KS012-01		1
	19	MT Department of Com	MT002-01
KY Natural Resources	KY001-01		1
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KY Nature Preserves	KY002-01		1
	1	MT Department of Nat	MT004-01
LA Geological Survey	LA001-01		MT005-01
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LA Office of State P	LA003-01		3
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MA Department of Env	MA002-01		1
	1	NC Department of Agr	NC005-01
MA Department of Fis	MA001-01		1
	MA004-01	NC Department of Hum	NC008-01
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MD Department of Nat	MD002-01	NC Department of Nat	NC003-01
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MD Department of Sta	MD001-01		2
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	MD001-03		NC006-02
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ME Department of Env	ME001-01		3
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MI Department of Com	MI001-01	NC Radiation Protect	NC004-01
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MI Department of Nat	MI002-01	ND Parks and Recreat	ND003-01
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MN Department of Nat	MN005-01	ND Public Service Co	ND002-01
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MN Pollution Control	MN002-01	ND State Water Commi	ND001-01
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New England Regional	MA003-01	OR Department of Fis	OR001-01
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NJ Bureau of Forestr	NJ008-01		2
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NJ Bureau of Water A	NJ009-01		OR004-01
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	NJ009-03		OR006-01
	3		OR007-01
NJ Department of Ene	NJ003-01		5
	1	OR Natural Heritage	OR010-01
NJ Division of Coast	NJ005-01		1
	NJ005-02	OR Water Resources D	OR008-01
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NJ Division of Parks	NJ007-01		OR011-01
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NJ Geological Survey	NJ004-01		PA003-02
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NJ Green Acres Progr	NJ006-01		PA003-04
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NJ Office of Science	NJ010-01		PA003-06
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NM Department of Gam	NM003-01		PA003-08
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NM Natural Resources	NM001-01	Pacific Northwest Ri	OR012-01
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North Slope Borough	AK003-01	PA Department of Env	PA007-01
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NV Department of Wil	NV001-01		PA008-02
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NY Department of Env	NY003-01		PA008-04
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NYS Adirondack Park	NY005-01		PA012-01
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NYS Department of En	NY001-01		PA014-01
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OH Department of Nat	OH001-01		PA017-01
	OH002-01		13
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OK Climatological Su	OK004-01	PA Emergency Managem	PA011-01
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OK Corporation Commi	OK006-01	PA Fish Commission	PA004-01
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OK Department of Tou	OK008-01	PA Game Commission	PA001-01
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OK Geological Survey	OK007-01	PA Institute of Stat	PA018-01
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OK State Department	OK005-01	PR Department of Agr	PR004-01
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OK Tax Commission	OK001-01	PR Department of Nat	PR002-01
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	OK001-07		1
OK Water Resources B	OK003-01	SD Department of Gam	SD003-01
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SD Geological Survey	SD002-01	VA Water Resources R	VA005-01
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SEDA-Council of Gove	PA006-01	VT Department of Wat	VT001-01
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Solid and Hazardous	NC001-01	VT Division of Envir	VT003-01
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Southwest Groundwater	KS013-01	WA Department of Eco	WA001-01
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Southeast Regional P	WI008-01		WA001-03
	1		WA001-04
Technology Applicati	NM002-01		WA001-05
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The Nature Conservan	FL004-01	WA Department of Fis	WA007-01
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TN Department of Con	TN002-01		WA007-03
	TN002-02		WA007-04
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TN Department of Pub	TN001-01	WA Department of Gam	WA002-01
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TN Office of Natural	TN003-01		WA004-01
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TX Department of Wat	TX001-01		WA006-01
	TX001-02		4
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University of Missou	MO003-01		1
	1	Water Resources Inst	SD004-01
University of Rhode	RI001-01		1
	1	WI Bureau of Forestr	WI002-01
University of South	SC001-01		WI002-02
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VA Department of Hig	VA010-01		1
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VA Department of Tax	VA013-01		1
	VA014-01	WI Department of Agr	WI005-01
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VA Division of Parks	VA012-01	WI Department of Nat	WI007-01
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VA Institute of Mari	VA001-01		WI007-03
	VA002-01		WI007-04
	VA004-01		WI009-01
	VA006-01		WI009-02
	VA007-01		WI010-01
	VA008-01		WI011-01
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VA Polytechnic Insti	VA016-01		1
	VA017-01	WV Department of Nat	WV001-01
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<u>RESPONDENT</u>	<u>CODE</u>	<u>RESPONDENT</u>	<u>CODE</u>
Agnew	PA015-01 1	Boston	AL002-01 1
Alcorn	NC002-01 1	Brady	KS004-01 1
Alderman	MD001-01 MD001-02 MD001-03 3	Breckling	NC001-01 1
Aldrich	IN002-01 1	Brentano	KS002-01 1
Anderson	ID001-01 ID001-02 ID001-03 ID001-04 ID001-05 5	Bresenhan	PA006-01 1
Apgar	DE002-01 1	Bright	OR001-01 1
Aponte	PR002-01 1	Brown	CA005-01 1
Atkinson	OK005-01 1	Butler	OK008-01 1
Baesler	ND001-01 1	Campbell	VA016-01 1
Bailey	WI011-01 1	Candelario	PR003-01 1
Baker	AK002-01 AK002-02 AK002-03 3	Cardoza	MA001-01 1
Bansal	NE001-01 1	Carr	KS003-01 1
Barbee	WA001-01 WA001-02 WA001-03 WA001-04 WA001-05 5	Carroll	NY004-01 1
Barnes	PA008-01 PA008-02 PA008-03 PA008-04 4	Carter	NJ001-01 1
Becker	IL002-01 1	Cawfield	MT005-01 MT005-02 2
Bednar	PA011-01 1	Coffin	MN005-01 1
Beene	KS011-01 KS011-02 KS011-03 KS011-04 KS011-05 KS011-06 KS011-07 KS011-08 8	Cook	M0001-01 M0001-02 M0001-03 M0001-04 4
Bell	NJ004-01 1	Crispin	NI003-01 1
Bender	SD004-01 1	Croswell	KY001-01 1
Bennett	SC002-01 1	Croy	VA017-01 1
Blanchard	OK002-01 1	Cunningham	AK001-01 1
		Curran	NY005-01 1
		Darling	UT001-01 1
		Darmstadt	NJ003-01 1
		Davy	VA012-01 1
		Decker	M0003-01 1
		Diaz	VA002-01 1
		Doveton	KS010-01 1
		Downing	MS002-01 MS002-02 2

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<u>RESPONDENT</u>	<u>CODE</u>	<u>RESPONDENT</u>	<u>CODE</u>
DuBrock	PA001-01 1	Haddad	FL001-01 1
Dugas	LA003-01 1	Haefner	MO004-01 1
DuMentelle	IL006-01 IL006-02 2	Hall	OR003-01 1
Dupor	WI004-01 1	Hannan	KY002-01 1
Earley	PA007-01 1	Hanson	LA001-01 1
Eddy	OK004-01 1	Hatfield	NC005-01 1
Edwards	WA005-01 1	Haven	VA007-01 1
Elmore	NC008-01 1	Heidari	KS009-01 1
Ensor	RI002-01 1	Hickok	PA003-01 PA003-02
Feingold	MA002-01 1		PA003-03 PA003-04
Fenwick	ND002-01 1		PA003-05 PA003-06
Fong	NC004-01 1		PA003-07 PA003-08
Fraser	WA007-01 WA007-02 WA007-03 WA007-04 4	Hoffman	MI001-01 1
Fredrick	MN002-01 1	Holl	WI001-01 1
Friph	OK001-01 OK001-02 OK001-03 OK001-04 OK001-05 OK001-06 OK001-07 7	Hollingshead	ID004-01 1
Galida	PA013-01 1	Holloran	KS014-01 KS014-02
Gast	PA009-01 1		KS014-03 KS014-04
Gatewood	FL004-01 1		KS014-05 KS014-06
Gauss	CO003-01 1		KS014-07 7
Gayk	VA010-01 1	Houtcooper	SD003-01 1
Geyer	PA010-01 1	Hughes	CT003-01 OR011-01
Goetze	NC006-01 NC006-02 NC006-03 3	Humphrey	2 OK006-01 1
Goodman	WI010-01 1	Huston	IA001-01 1
Gordon	MS003-01 1	Hyde	IN001-01 IN001-02
Greene	PA005-01 1	Ifuku	2 HI005-01 1
Gregory	FL003-01 1	Illgner	KS013-01 1
		Isaacs	NM001-01 1
		Jarvie	MT003-01 1
		Johnson	AZ003-01 VA005-01
			WI005-01 WI012-01 4

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Jurewicz	WI009-01	McReynolds	VT002-01
	WI009-02		1
Kato	2	Meade	NJ008-01
	HIO02-01		1
	HIO02-02	Mealey	OR012-01
	2		1
Keller	MA004-01	Mellin	ID005-01
	1		1
Kelly	AZ002-01	Miller	ID002-01
	1		ID002-02
Klemas	DE001-01		LA002-01
	1		MS001-01
Kleppe	WI003-01		MS001-02
	1		MS001-03
Kline	OR007-01		MS001-04
	1		MS001-05
Koeln	MO002-01		MS001-06
	1		MS001-07
Korematsu	CA002-01		MS001-08
	1		MS001-09
Koulet	CO002-01		MS001-10
	1		MS001-11
Kriete	VA001-01		MS001-12
	1		NJ007-01
Landgraf	HIO03-01		OR002-01
	1		PR001-01
Lesher	PA016-01		18
	1	Mills	NJ010-01
Lichvar	WY002-01		1
	1	Minick	SC001-01
Liechti	KS015-01		1
	1	Minnerath	SD002-01
Lissner	OR008-01		1
	1	Molini	NW001-01
Little	IL009-01		1
	1	Neilson	VA006-01
Lucey	NJ009-01		1
	NJ009-02	O'Connor	NY003-01
	NJ009-03		1
	3	Ogaard	ND002-01
Madigan	WI002-01		1
	WI002-02	Ota	HIO01-01
	2		1
Manner	CA003-01	Owens	WA002-01
	1		1
Massie	WI006-01	Ozard	NY002-01
	1		1
Master	MA003-01	Parsons	WA003-01
	1		1
Matthews	NY001-01	Patterson	WI008-01
	1		1
Mayo	VA014-01	Pearsall	TN002-01
	1		TN002-02
McAllister	MN001-01		2
	1	Perez	PR004-01
McCance	OH002-01		1
	1	Peterson	CO004-01
McCormack	VT001-01		1
	1	Phillips	WA006-01
McCulloch	TX001-01		1
	TX001-02	Pursell	NE002-01
	2		1
McGann	VA015-01		
	1		

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Quimby	PA002-01	Spitz	KS012-01
	1		1
Raves	PA017-01	Steeples	KS008-01
	1		KS008-02
Redmond	TN003-01		2
	1		NJ005-01
Richardson	R1001-01		NJ005-02
	1		2
Robertson	ID003-01	Stevenson	AL001-01
	NT002-01		1
	2		NJ006-01
Roe	NC003-01	Stokes	1
	1		PA014-01
Rondeau	OR005-01	Strauss	1
	1		WA004-01
Rosenau	VT003-01	Sugarbaker	1
	1		OK007-01
Sabel	MN004-01	Summers	1
	1		IA002-01
Sahaydak	VA013-01	Talcott	1
	1		NM002-01
Sakuda	H1004-01	Talmon	1
	H1004-02		MT004-01
	H1004-03	Taylor	1
	3		AZ001-01
Sawyer	CA001-01	Tessar	AZ001-02
	CA001-02		AZ001-03
	CA001-03		AZ001-04
	3		4
Scales	OR009-01	Tichacek	IL003-01
	1		1
Schnure	CT001-01	Tortoriello	NJ002-01
	1		NJ002-02
Schock	IL008-01		2
	1		IL005-01
Schrupp	CO001-01	Treworgy	1
	1		MN003-01
Schuellein	OK003-01	Trippier	1
	1		ID006-01
Scieszka	M1002-01	Tuthill	1
	1		TN001-01
Scott	F1002-01	Van Atta	TN001-02
	1		2
Shaw	VA011-01	VanDyke	IL007-01
	WI007-01		IL007-02
	WI007-02		IL007-03
	WI007-03		IL007-04
	4		4
Siderelis	NC007-01	Van Engel	VA009-01
	1		1
Simkins	MT001-01	Voelker	OR004-01
	1		1
Skill	OR006-01	Vogel	IL001-01
	1		1
Slocum	KS001-01	Wagner	VA003-01
	1		VA003-02
Smith	AR001-01		VA003-03
	1		VA003-04
Snyder	PA004-01		4
	1		NM003-01
Soine	ND003-01	Wahl	1
	1		PA012-01
Soper	OR010-01	Walker	WA008-01
	1		2

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<u>RESPONDENT</u>	<u>CODE</u>
Watney	KS005-01 KS005-02 2
Webb	AK003-01 1
Welch	ME001-01 ME001-02 VA004-01 3
Wells	OH001-01 1
White	AL003-01 1
Whittemore	KS007-01 1
Wiant	IL004-01 1
Wilson	CA004-01 1
Wojcik	VA008-01 1
Wollrab	WY001-01 1
Woodburn	SD001-01 1
Yanosy	CT002-01 1
Yarger	KS006-01 1
Zurbuch	WV001-01 1

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ALTAIR	IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 6	BURROUGHS B-6700	PA002-01 PA003-01 PA003-02 PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 PA007-01 PA009-01
AMDAHL	M0001-02 M0001-03 M0001-04 3		PA010-01 PA012-01 13
AMDAHL 470/V6	NM001-01 SC001-01 TN002-01 TN002-02 VA012-01 VA013-01 WI002-01 WI002-02 WI003-01 WI004-01 WV001-01 11	BURROUGHS B-6800 BURROUGHS B-6805 BURROUGHS B-6900 BURROUGHS B-7700	MJ001-01 1 PA013-01 1 DE002-01 1 DE001-01 MI002-01 2
AMDAHL 470/V8	UT001-01 WA008-01 2	CDC CYBER	IL009-01 MN004-01 WA001-02 WA007-04 4
APPLE II	IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 MD001-01 MD001-02 MD001-03 NJ006-01 OK004-01 PA008-01 PA008-02 PA008-03 PA008-04 PA010-01 WI001-01 WI009-01 WI009-02 WI010-01 20	CDC CYBER 170/720 CDC CYBER 174 CDC CYBER 175 CDC CYBER 194	C0001-01 C0002-01 OR001-01 3 IL008-01 IL005-01 IL008-01 MA001-01 MA004-01 5 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 6
ATLAS 8000-SD	OR009-01 1	CDC CYBER 195	IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 6
BURROUGHS B-20	CT003-01 PA002-01 PA003-01 PA003-02 PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 10		C0001-01 1 CA001-01 CA001-02 CA001-03 C0003-01 4
BURROUGHS B-22	PA009-01 1		

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<u>COMPUTER(S)</u>	<u>CODE</u>	<u>COMPUTER(S)</u>	<u>CODE</u>
CDC CYBER 760	F1002-01	DEC VAX 11/780	AK001-01
	1		IN001-01
CDC CYBER 7600	NJ002-01		IN001-02
	NJ002-02		3
	2	DEC VAX 11/70	IL008-01
COMMODORE	AK001-01		1
	1	DG C/300	LA003-01
COMPUPRO SYSTEM 8/16	NJ001-01		1
	1	DG ECLIPSE MV4000	AK002-01
CONVERGENT TECHNOLOG	CA004-01		AK002-02
	1		AK002-03
CORONA PC-HD	MT002-01		SC001-01
	1		4
CPT 6100	AK001-01	DG ECLIPSE MV8000	AK001-01
	1		KS002-01
CPT 8100	AK001-01		KS005-01
	1		KS005-02
DEANZA	NJ010-01		KS006-01
	1		KS007-01
DEC 10	DE001-01		KS008-01
	1		KS008-02
DEC 2020	VT003-01		KS009-01
	1		KS010-01
DEC 2060	VT002-01		KS011-01
	1		KS011-02
DEC LSI 11/03	NC007-01		KS011-03
	NJ010-01		KS011-04
	NM001-01		KS011-05
	3		KS011-06
DEC PDP 8	MN002-01		KS011-07
	1		KS011-08
DEC PDP 11/23	PA011-01		KS012-01
	1		19
DEC PDP 11/34	ID001-01	DG ECLIPSE MV8000/II	NC007-01
	ID001-02		1
	ID001-03	DG ECLIPSE S/130	LA002-01
	ID001-04		MS001-01
	ID001-05		MS001-02
	ID004-01		MS001-03
	ID005-01		MS001-06
	ID006-01		MS001-08
	IL006-01		PRO01-01
	IL006-02		7
	IL007-02	DG ECLIPSE S/230	NC007-01
	IL007-03		1
	IL007-04	DG ECLIPSE S/250	AK001-01
	14		1
DEC PDP 11/60	NC006-02	DG MICRONOVA MF 200	WI007-01
	NC006-03		WI007-02
	2		WI007-03
DEC PDP 11/70	CA001-01		3
	CA001-02	DG NOVA 4	WA001-03
	CA001-03		1
	CA002-01	DG NOVA II	WA005-01
	CA003-01		1
	DE001-01	ECS 4500	PA003-01
	MI002-01		PA003-02
	7		PA003-03
DEC VAX	MO001-01		PA003-04
	1		PA003-05
DEC VAX 11/750	AL002-01		PA003-06
	NM002-01		PA003-07
	VA016-01		PA003-08
	WI003-01		8
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KEY FILE # 7
(cont.)

<u>COMPUTER(S)</u>	<u>CODE</u>	<u>COMPUTER(S)</u>	<u>CODE</u>
ERDAS	MS002-01 MS002-02 2	HP 9825T	SD004-01 1
ERDAS 400 (CROMEMCO	DE001-01 NY005-01 2	HP 9835A	OK007-01 1
EVOLUTION SYSTEMS R-	OR003-01 1	IBM	AR001-01 C0004-01 IN002-01 KY002-01 MN005-01
GOULD SEL SYSTEMS 32	FL001-01 1		MS003-01 NM003-01 OH002-01
HARRIS S500	ND002-01 1		OK008-01 RIO02-01
HONEYWELL 6/43	ME001-01 ME001-02 2		SC002-01 TN003-01 WI010-01 WY002-01
HONEYWELL 610	ME001-01 ME001-02 2		14
HONEYWELL 8/52D	ME001-01 ME001-02 2	IBM OS6/442 WP	AK001-01 1
HONEYWELL DPS 3/E	KS001-01 KS003-01 KS006-01 KS009-01 KS011-01 KS011-02 KS011-03 KS011-04 KS011-05 KS011-06 KS011-07 KS011-08 KS012-01 KS015-01 14	IBM OS6/450 WP	AK001-01 2
HONEYWELL Level 6 Mi	CT003-01 NY001-01 NY002-01 NY003-01 NY004-01 5	IBM 1130	NJ007-01 1
HONEYWELL Level 68	PR002-01 1	IBM 3031	AK001-01 LA003-01 SD002-01 3
HP	MA002-01 MA003-01 MD002-01 MI003-01 ND003-01 OR010-01 6	IBM 3032	AL001-01 CT001-01 M0002-01 M0003-01 4
HP 250	AK011-01 1	IBM 3033	HIO05-01 ID001-01 ID001-02 ID001-03 ID001-04 ID001-05 ID002-01 ID002-02 ID003-01
HP 1000 A600 Mod	VT001-01 1		ID004-01 ID006-01 KS014-01 KS014-02 KS014-03 KS014-04 KS014-05 KS014-06 KS014-07
HP 2645A	SD003-01 1		LA001-01 MT002-01 NJ001-01 NJ004-01 NJ005-01
HP 2647A	SD001-01 1		NJ005-02 NJ010-01 OR011-01 PA014-01 SC001-01
HP 3000 Model 44	AL001-01 AZ003-01 FL004-01 IA001-01 NM001-01 5		VA010-01 VA015-01 WA002-01
HP 85	AK001-01 1		31

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IBM 3033N	MT001-01 MT003-01 MT004-01 MT005-01 MT005-02 5 IBM 3081	IBM 370/168 IBM 4331 IBM 4341	CA002-01 CA003-01 CT002-01 NJ003-01 4 PA005-01 1 AK001-01 FL003-01 IL005-01 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 IL008-01 NB001-01 11 OK001-01 OK001-02 OK001-03 OK001-04 OK001-05 OK001-06 OK001-07 OK001-07 OK003-01 7 IBM 3083 IBM 3278 IBM 3290 with 3299 M IBM 3300 IBM 360 IBM 370/158 IBM 370	OK001-02 OK001-03 OK001-04 OK001-05 OK001-06 OK001-07 WI002-01 WI002-02 2 AK001-01 1 AK001-01 1 IBM Mainframe WI002-01 WI002-02 2 AK001-01 ID001-01 ID001-02 ID001-03 ID001-04 ID001-05 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 OK005-01 SC001-01 SD001-01 WI003-01 16 KS013-01 1 SD004-01 1 WA001-04 1 AK001-01 1 IBM S/23 DATAMASTER IBM S150 IBM SERIES/1 MODEL 4 IBM Word Processor
	1 NC002-01 NC003-01 NC005-01 NC006-01 OK004-01 OK006-01 OK007-01 PA004-01 WA001-01 WA001-03 WA007-01 WA007-02 WA007-03 WA007-04 14 IBM 3081D	IBM 8100 IBM 8140B IBM Composer IBM DISPLAYWRITER IBM PC	OK001-01 OK001-02 OK001-03 OK001-04 OK001-05 OK001-06 OK001-07 WI002-01 WI002-02 2 AK001-01 1 AK001-01 1 IBM Mainframe WI002-01 WI002-02 2 AK001-01 ID001-01 ID001-02 ID001-03 ID001-04 ID001-05 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 OK005-01 SC001-01 SD001-01 WI003-01 16 KS013-01 1 SD004-01 1 WA001-04 1 AK001-01 1 IBM S/23 DATAMASTER IBM S150 IBM SERIES/1 MODEL 4 IBM Word Processor	
	8 NV001-01 1 WY001-01 1 WI001-01 1 AK001-01 1 WI001-01 1 HI002-01 HI002-02 HI005-01 NE001-01 OR002-01 OR005-01 OR006-01 7 CT003-01 HI004-01 HI004-02 IA002-01 NJ008-01 NV001-01 OH001-01 OR004-01 PR002-01 PR003-01 SD004-01 TN001-01 TN001-02 VA005-01 WA001-05 WI008-01 16			

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INTERDATA 7/32	TX001-01 TX001-02 2	TANDY	PA006-01 1
INTERGRAPH	CA002-01 CA003-01 CA005-01 3	TEKTRONIX 40/50 TEKTRONIX 4052	PA010-01 1 IL009-01 KS004-01 NJ010-01 3
LANIER	AK001-01 1	TEKTRONIX 4052A	MJ002-01 1
M6629	WY001-01 1	TEKTRONIX 4054	IL009-01 1
MAGNUSUN	AZ002-01 1	TEKTRONIX 4114	NJ005-01 NJ005-02 2
MICON 2001	AK001-01 1	TELEVIDEO 806	HJ003-01 1
MICON 2002	AK001-01 1	TRS Model LII	NJ009-01 NJ009-02 2
Motorola 68000 on MI	CA001-01 CA001-02 CA001-03 3	TRS Model IV	NJ009-01 NJ009-02 2
Nuclear Data - 6620	NC004-01 1	TRS-80 MODEL III	HJ004-03 PA006-01 2
OSBORNE I	NJ008-01 1	TRS-80 Model 12	NY001-01 NY002-01 NH003-01 3
PERKIN-ELMER 3220	IA002-01 1	Unidentified mainfra	SD001-01 WI009-01 WI009-02 3
PERKIN-ELMER 8/32	OK002-01 1	UNIVAC 1100/21	PA001-01 1
PRIME 150	PR002-01 1	UNIVAC 1100/62	TX001-01 TX001-02 2
PRIME 2250	WA004-01 1	UNIVAC 1100/80	LA002-01 MS001-01 MS001-02 MS001-03 MS001-04 MS001-05 MS001-06 MS001-07 MS001-08
PRIME 400	RI001-01 1		MS001-09 MS001-10 MS001-11 MS001-12 PR001-01 WI003-01 WI006-01
PRIME 550	AZ001-01 AZ001-02 AZ001-03 AZ001-04 IA002-01 IL008-01 MD001-01 MD001-02 MD001-03 9		
PRIME 550 II	PR004-01 WA002-01 2		
PRIME 750	IL005-01 KY001-01 RI001-01 VA002-01 VA009-01 WA004-01 6		

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	WI009-02
	WI010-01
	WI012-01
	20
UNIVAC 1100/62	MD001-01
	MD001-02
	MD001-03
	3
WANG	AK001-01
	1
WANG 2200VP	WA001-05
	1
WANG 2200VS	HI001-01
	HI002-01
	HI002-02
	IL002-01
	4
WANG 25 II	AK001-01
	1
WANG OIS 140-1	AK001-01
	1
WANG SYSTEM 30	AK001-01
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WANG VS100	NC001-01
	NC002-01
	2

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<u>GIS CAPABILITY</u>	<u>CODE</u>	<u>GIS CAPABILITY</u>	<u>CODE</u>
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	IL002-01		NJ005-01
	IL008-01		NY001-01
	IL009-01		NY002-01
	KS001-01		NY003-01
	KS014-01		NY004-01
	KS014-02		OR005-01
	KS014-03		PA003-01
	KS014-04		PA003-02
	KS014-05		PA003-03
	KS014-06		PA003-04
	KS014-07		PA003-05
	KS015-01		PA003-06
	M0001-02		PA003-07
	M0001-03		PA003-08
	M0001-04		PA011-01
	NC004-01		RI001-01
	NJ003-01		SD004-01
	NJ004-01		VA015-01
	NJ007-01		VT001-01
	NJ009-01		VT002-01
	NJ009-02		WA002-01
	OK001-01		WY001-01
	OK001-02		40
	OK001-03	Yes	AK001-01
	OK001-04		AK002-01
	OK001-05		AK002-02
	OK001-06		AK002-03
	OK001-07		AL001-01
	OK006-01		AL002-01
	OK007-01		AZ001-01
	PA006-01		AZ001-02
	PA012-01		AZ001-03
	PA013-01		AZ001-04
	PA014-01		AZ003-01
	PR004-01		CA001-01
	VA012-01		CA001-02
	VA013-01		CA001-03
	VT003-01		CA002-01
	WA001-03		CA003-01
	WA005-01		CA004-01
	WI002-01		CO001-01
	WI002-02		CO002-01
	WI003-01		DE001-01
	WI004-01		FL001-01
	45		FL002-01
Partial	AZ002-01		ID002-01
	DE002-01		ID002-02
	FL004-01		IL005-01
	H1001-01		IL006-01
	H1002-01		IL006-02
	H1002-02		IL007-01
	ID001-01		IL007-02
	ID001-02		IL007-03
	ID001-03		IL007-04
	ID001-04		IN001-01
	ID001-05		IN001-02
	IL003-01		KS002-01
	KS004-01		KS003-01
	NC002-01		KS005-02
	NC006-01		KS006-01
	NC006-02		KS007-01
	NC006-03		KS008-01

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<u>GIS CAPABILITY</u>	<u>CODE</u>	<u>GIS CAPABILITY</u>	<u>CODE</u>
Yes (cont.)	KS008-02	Yes (cont.)	NJ010-01
	KS009-01		NM001-01
	KS011-01		NM002-01
	KS011-02		NV001-01
	KS011-03		NY005-01
	KS011-04		OH001-01
	KS011-05		OK002-01
	KS011-06		OK003-01
	KS011-07		OK004-01
	KS011-08		OR001-01
	KS012-01		OR003-01
	KS013-01		PA002-01
	KY001-01		PA004-01
	LA001-01		PA007-01
	MD001-01		PA009-01
	MD001-02		PA010-01
	MD001-03		PR001-01
	ME001-01		PR003-01
	ME001-02		SC001-01
	MI002-01		SD001-01
	MN001-01		SD002-01
	MD001-01		SD003-01
	MS001-01		TX001-01
	MS001-02		TX001-02
	MS001-03		VA002-01
	MS002-01		VA003-01
	MS002-02		VA008-01
	NC001-01		VA010-01
	NC003-01		VA016-01
	NC005-01		WA001-01
	NC007-01		WA001-04
	NC008-01		WA004-01
	NJ002-01		WA006-01
	NJ002-02		WI001-01
	NJ005-01		WI008-01
	NJ005-02		WV001-01
	NJ008-01		112

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<u>LANGUAGE(S)</u>	<u>CODE</u>	<u>LANGUAGE(S)</u>	<u>CODE</u>
ALCOL	PA002-01 PA003-01 PA003-02 PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 PA009-01 PA012-01 11	Assembler (cont.)	PR001-01 RI001-01 SC001-01 SD004-01 VA007-01 VT001-01 WA002-01 WI002-01 WI002-02 WI008-01 55
APL	CO001-01 NJ010-01	BASIC	CA001-01 CA001-02 CA001-03 CO001-01
Assembler	2 CA002-01 CA004-01 CO001-01 DE001-01 FL003-01 ID001-01 ID001-02 ID001-03 ID001-04 ID001-05 ID004-01 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 IL007-05 IL009-01 IL009-02 IL007-01 IL007-02 IL007-03 IL007-04 KS002-01 KS002-01 KS009-01 KS012-01 KS013-01 KY001-01 LA001-01 LA002-01 MS001-01 MS001-02 MS001-03 MS001-04 MS001-05 MS001-06 MS001-07 MS001-08 MS001-09 MS001-10 MT004-01 NC007-01 NJ010-01 NM002-01 OK002-01 OK004-01 OR002-01 PA003-02 PA008-01 PA008-02 PA008-03 PA008-04	HI002-01 HI002-02 HI004-03 IL002-01 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 IL009-01 KS002-01 KS009-01 KS012-01 KS013-01 KY001-01 LA001-01 MT004-01 NC004-01 NJ006-01 NJ008-01 NJ009-01 NJ009-02 OK004-01 OR003-01 OR009-01 PA003-01 PA003-02 PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 PA006-01 PA011-01 PA012-01 SC001-01 SD004-01 VT001-01 VT003-01 WA001-05 WA002-01 WI003-01 WI006-01	

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<u>LANGUAGE(S)</u>	<u>CODE</u>	<u>LANGUAGE(S)</u>	<u>CODE</u>
BASIC APPLESOFT	PA008-01 PA008-02 PA008-03 PA008-04 4	FORTRAN	AK001-01 AK002-01 AK002-02 AK002-03 AL002-01
C	SD004-01 1		AZ001-01 AZ001-02
COBOL	AK001-01 AZ002-01 CA001-01 CA001-02 CA001-03 CO001-01 CT003-01 FL003-01 HI002-01 HI002-02 ME001-01 ME001-02 MT004-01 NC001-01 NC006-02 NC006-03 NC008-01 OR002-01 OR005-01 PA002-01 PA003-01 PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 PA005-01 PA006-01 PA009-01 PA012-01 PA013-01 VA003-01 VA003-03 VA003-04 VA007-01 VT003-01 WA001-04 WI002-01 WI002-02 WI008-01 40		AZ001-03 AZ001-04 CA002-01 CA004-01 CO001-01 CT003-01 DE001-01 FL001-01 ID001-01 ID001-02 ID001-03 ID001-04 ID001-05 ID004-01 IL005-01 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 KS009-01 KS012-01 KY001-01 LA001-01 LA002-01 ME001-01 ME001-02 M0003-01 MS001-01 MS001-02 MS001-03 MS001-04 MS001-05 MS001-06 MS001-07 MS001-08 MS001-09 MS001-10 MT004-01 NC004-01 NC006-02 NC006-03 NC007-01 NE001-01 NJ006-01 NJ010-01 NM002-01 NY005-01 OK002-01 OK004-01 OR002-01 OR005-01 OR009-01 PA002-01 PA003-01 PA003-02
COMPASS	CO001-01 1		
CPL	AZ001-01 AZ001-02 AZ001-03 AZ001-04 KY001-01 5		NJ006-01 NJ010-01 NM002-01 NY005-01 OK002-01 OK004-01 OR002-01 OR005-01 OR009-01
DMS	FL003-01 1		PA002-01
EDX	WA001-04 1		PA003-01
ENGLISH	OR003-01 1		PA003-02

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<u>LANGUAGE(S)</u>	<u>CODE</u>
FORTRAN (cont.)	PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA003-08 PA005-01 PA009-01 PA012-01 PA013-01 PR001-01 RI001-01 SC001-01 SD004-01 VA007-01 VA009-01 VT001-01 VT003-01 WA001-03 WA001-04 WA002-01 WA004-01 WI002-01 WI002-02 WI006-01 WI008-01 89
FORTRAN 5	KS002-01 1
FORTRAN 77	IA002-01 KS002-01 ND002-01 VA007-01 4
FORTRAN IV	AZ002-01 MI002-01 WI007-01 WI007-02 WI007-03 5
LISP	CO001-01 1
PASCAL	CO001-01 LA001-01 NJ006-01 PA006-01 VA007-01 VA009-01 WI003-01 7
PL/I	MT004-01 NE001-01 OH001-01 PA005-01 RI001-01 VA007-01 VA011-01 7
RATFOR	KS002-01 1
RPC	FL003-01 VA007-01 2
SNOBOL	CO001-01 1

<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>	<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>
ARC	WA004-01	DATATRIEVE	AL002-01
	1		1
ARC/INFO (ESRI)	IL005-01	DB Master	PA008-01
	1		PA008-02
ARVOL	KY001-01		PA008-03
	1		PA008-04
AUTOMAP	AL001-01		4
	1	DBASE II	HIO03-01
BCS RIM	AK002-01		NY005-01
	AK002-02		PA008-01
	AK002-03		PA008-02
	3		PA008-03
BIOMED	TX001-01		PA008-04
	1		SD004-01
BLPRINTMCS	PA012-01	DGRAPH	NY005-01
	1		1
BMDP	RI001-01	DIMEMAP	SC001-01
	1		1
BMD SPSS	MT004-01	DISPPLA	TX001-01
	1		1
BQL	WI002-01	DMRS - Intergraph In	MI002-01
	WI002-02		1
BRADS - IEM	KS013-01	DMS	FL003-01
	1		1
BURROUGHS DMS II	PA012-01	DMS II	PA002-01
	1		PA013-01
CALCOMP Routines	CO001-01	DNR Geoprocessing So	AK001-01
	MI002-01		1
	NC006-02	DTAP	AZ001-01
	NC006-03		AZ001-02
	SC001-01		AZ001-03
	4		AZ001-04
CALFORM	SC001-01	ELAS	AL001-01
	TX001-01		AZ001-01
	2		AZ001-02
CCSI-Plot	AZ001-01		AZ001-03
	AZ001-02		AZ001-04
	AZ001-03		FL001-01
	AZ001-04		IA002-01
	4		IL005-01
CENSPAC	TX001-01		KY001-01
	1		MO001-01
CICS	OR002-01		NN002-01
	1		OK002-01
COLORMAP	KS009-01		RIO01-01
	KS012-01		SC001-01
	2		14
COMARC Planning Info	AK001-01		TX001-02
	1		1
COMPIS (Comark's)	NC007-01	ELLTAB	KY001-01
	1		1
CONTOURING	AL002-01	ELS (Environmental L	OR002-01
	1		1
COORD (Coordinate Co	KY001-01	EMAIL	MN001-01
	1		1
CPS-1	TX001-01	EPPL (Environmental	DE001-01
	1		NY005-01
DAM Package	TX001-02	ERDAS software	2
	1		
DATASTAT	LA001-01		
	1		

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<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>	<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>
ESRI GRID/GRIPS	AK001-01 AK002-01 AK002-02 AK002-03 AL001-01 KY001-01 SC001-01 7	ILLIMAP	IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 5
ESRI/GIS	AZ001-01 AZ001-02 AZ001-03 AZ001-04 4	IMAGE/1000	VT001-01 1
FMPS	TX001-01 1	IMSL	CO001-01 VA007-01 WI002-01 WI002-02 4
FOCUS	OR002-01 1	INFORMAP	WA004-01 1
FORMS Management Sys	AL002-01 1	INFO	AK001-01 AZ001-01 AZ001-02 AZ001-03 AZ001-04
FWS/MANAGE	CO001-01 1	INFORMAP	IL005-01 KY001-01 7
GEMCOS	PA012-01 1	INFOS II	KS009-01 KS012-01 2
GEOTAB	IA002-01 1	INFOSTAT	LA001-01 1
GIMMAP	KS002-01 KS006-01 KS007-01 KS008-01 KS008-02 KS009-01 KS010-01 KS011-01 KS011-02 KS011-03 KS011-04 KS011-05 KS011-06 KS011-07 KS011-08 KS012-01 16	Image processing sof KOALA (log interpret	NC001-01 1 KS009-01 KS012-01 2
GIMMS	SC001-01 1	LARSYS	TX001-02 1
GRDCON (Coordinate C	KY001-01 1	LIMAP	AZ001-01 AZ001-02 AZ001-03 AZ001-04
GRIPSHIFT	KY001-01 1	LOTUS 1-2-3	WI003-01 1
HISARS	NE001-01 1	MARK IV	WI002-01 WI002-02 2
HOMERANGE	WA002-01 1	MATH-PACK	TX001-01 1
HYDROLOGY	WI003-01 1	MINITAB	CO001-01 IL005-01 KY001-01 3
IDMS	MT004-01 1	MOSS	AK001-01 WA002-01 2
IGL	PA013-01 1	MULTIPLAN	NY005-01 1
IGS	TX001-02 1	MUSE (word processin	IL005-01 1
		MIZAR PACKAGE	CA001-01 CA001-02 CA001-03 3

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<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>	<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>
NCAR	RI001-01	SPSS-X (stat. pkg.	KS009-01
	SC001-01		KS012-01
	2		2
NTI OMNIWORD	OR002-01	STAT-PACK	TX001-01
	1		1
OGIRS	OK002-01	STATZ	VT003-01
	1		1
PLOT 10	LA001-01	SUPERCALC	NJ008-01
	1		1
PRIME OAS	WA002-01	SURFACE II	AK001-01
	1		IA002-01
PRIME-DPTX	WA002-01		KS002-01
	1		KS006-01
PROFILE	NJ009-01		KS007-01
	NJ009-02		KS008-01
	2		KS008-02
QUICK FILE IIe	NJ006-01		KS010-01
	1		KS011-01
RAIN (user software	PA011-01		KS011-02
	1		KS011-03
REPORTSTAR	LA001-01		KS011-04
	1		KS011-05
SACIS software (GIS)	CO001-01		KS011-06
	1		KS011-07
SAS	FL003-01		KS011-08
	HI002-01		SC001-01
	HI002-02		VA007-01
	LA001-01		18
	MO001-02	SYMAP	PA012-01
	MO001-03		PA013-01
	MO001-04		SC001-01
	RI001-01		TX001-01
	SC001-01		4
	SD004-01	SYSTEM 511	ID001-01
	VA003-01		ID001-02
	VA003-02		ID001-03
	VA003-04		ID001-04
	VA006-01		ID001-05
	WI002-01		ID004-01
	WI002-02		6
	16	Suitability modellin	MS001-01
SIR	VA007-01		MS001-02
	1		MS001-03
SPIRES	MO002-01		PR001-01
	1		4
SPSS	AZ002-01	TEKTRONIX IGL	AK002-01
	CO001-01		AK002-02
	HI002-01		AK002-03
	HI002-02		AZ001-01
	OR002-01		AZ001-02
	PA002-01		AZ001-03
	PA003-01		AZ001-04
	PA003-02		PA012-01
	PA003-03		8
	PA003-04	TEKTRONIX PLOT 10	PA002-01
	PA003-05		PA003-01
	PA003-06		PA003-02
	PA003-07		PA003-03
	PA003-08		PA003-04
	PA012-01		PA003-05
	PA013-01		PA003-06
	SC001-01		PA003-07
	VA007-01		PA003-08
	VA009-01		9
	19		

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<u>SPECIALIZED SOFTWARE</u>	<u>CODE</u>
TEKTRONIX PLOT 50	IL009-01
	1
TELEMETRY MONITOR	WA001-03
	1
TNRIMS	TX001-01
	1
TNRIS Monitor	TX001-01
	1
TNRIS Request Account	TX001-01
	1
TSO	OR002-01
	1
USC	SC001-01
	1
VECTRIX	RI001-01
	1
VERSATEC Plot Packag	OK002-01
	1
VICAR/IBIS	AZ002-01
	ID001-01
	ID001-02
	ID001-03
	ID001-04
	ID001-05
	OR001-01
	7
VISICALC IIe	NJ006-01
	NJ009-01
	NJ009-02
	3
VOLUMETRICS	AL002-01
	1
WIPS (Weather Image	OK002-01
	1
WORDSTAR	NJ008-01
	1
Z-Chart	OR005-01
	1
ZETA	RI001-01
	1
ZPLOT	MT004-01
	1

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Abandoned mine lands	KY001-01 PA007-01 PA009-01 3	Climate/weather	CT002-01 IL001-01 IL005-01 IN001-01 KS001-01 MN002-01 MO003-01 MS001-03 NC007-01 NE001-01 OK002-01 OK004-01 PA011-01 PR001-01 PR002-01 SC001-01 SD001-01 VA004-01 VA005-01
Agriculture	AZ002-01 CA001-02 CA003-01 KS001-01 MN001-01 MS002-02 NE001-01 OH001-01 OK004-01 PR004-01 VT002-01 WI005-01 12		VA016-01 WA001-03 21
Algae	KS015-01 1		HJ002-01 NC007-01 2
Aquatic life	KS015-01 1		AL002-01 1
Archaeological sites	CO002-01 IL004-01 2	Coastal resources	CO003-01 HJ001-01 KY001-01 MD001-01 MN001-01 VA010-01 6
Base data	AL001-01 ID001-03 ID002-01 KS002-01 KY001-01 LA003-01 MD001-01 MN001-01 NS001-01 MS002-02 NM002-01 NY001-01 OH001-01 TX001-01 14	Control points	AK001-01 ID004-01 MT004-01 NC007-01 NE001-01 5
Biological resources	TX001-01 1	Cultural resources	IL005-01 IN001-01 KS001-01 MD001-02 MI001-01 MT002-01 NC007-01 NE001-01 NE002-01 NJ005-02 NY001-01 NY005-01 OK002-01 PA005-01 PA006-01 PA006-01 PA009-01 PA018-01 SC001-01 UT001-01 VA013-01 VT002-01 WI001-01 WY001-01 23
Boundaries	AL002-01 AZ001-03 AZ001-04 CA001-01 CA004-01 IL005-01 IL006-01 IL007-04 IN001-01 MI002-01 NC007-01 NJ010-01 PA006-01 RI001-01 SC001-01 UT001-01 VT002-01 WA004-01 WA006-01 19	Dams	
Center pivots	NE001-01 1	Demography	
City growth	MN001-01 1		

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Energy	AK001-01 CO002-01 IL005-01 IL007-01 IL007-02 IL007-03 IN001-01 KS001-01 KS004-01 KS010-01 KS011-03 KS011-05 KS011-06 KS011-07 KS011-08 KY001-01 NC007-01 NJ003-01 NM001-01 PA006-01 UT001-01 21	Floodplains Forestry	AL001-01 MS002-02 WI003-01 3 AK001-01 HI003-01 ID002-01 ID002-02 MN001-01 NJ007-01 NJ008-01 OK005-01 OR001-01 OR002-01 OR004-01 OR005-01 OR006-01 OR007-01 PA002-01 PA003-01 PA003-02 PA003-04 PA003-05 PA003-06 PA003-08 PR001-01 WI002-01 WI002-02 WI004-01 WI011-01 26
Environmental qualit	CT002-01 IA002-01 IN001-01 MA004-01 ME001-02 MN002-01 MN004-01 MS002-02 MT003-01 NC001-01 NC004-01 NC006-01 NC006-03 NC007-01 NC008-01 ND002-01 NE001-01 NJ001-01 PA006-01 PA012-01 PA013-01 PA016-01 SD004-01 VA006-01 VT003-01 WA001-03 WA001-05 WI008-01 28	Geologic and land re Geology	TX001-01 1 AK003-01 CO002-01 FL002-01 IA002-01 IL005-01 IN001-01 IN001-02 KS002-01 KS005-01 KS005-02 KS006-01 KS008-01 KS008-02 KS009-01 KS010-01 KS011-01 KS011-02 KS011-04 LA003-01 MD001-01 MN001-01 NJ004-01 NM002-01 OH001-01 OK002-01 OR008-01 PA006-01 PA008-01 PA008-02 PA008-03
Erosion	MS002-02 1		
Fisheries	HI004-01 HI004-02 HI004-03 KS014-01 KS014-02 OR003-01 VA001-01 VA008-01 WA007-02 WA007-03 WA007-04 11		

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Geology (cont.)	PA008-04 PA010-01 PA015-01 PR003-01 SC001-01 SD002-01 UT001-01 WA001-02 WI006-01 39	Land cover	AZ001-01 DE001-01 FL001-01 IN001-01 IN001-02 KS001-01 KY001-01 MD001-01 MS001-01 NC007-01 NJ010-01 NY005-01 OK002-01 PA006-01 PR001-01 PR003-01 WA004-01 17
GLO Survey	WA004-01 1	Land management	AK001-01 1
Groundwater	AK001-01 DE002-01 ID001-02 IL005-01 IL008-01 IN001-01 KS001-01 KS007-01 KS009-01 LA001-01 MN003-01 MS001-01 MT003-01 NE001-01 NJ002-01 NJ002-02 NJ009-01 NJ009-02 NJ009-03 NM001-01 OK003-01 OH001-01 OR008-01 OR011-01 PA009-01 PA010-01 TN001-01 TN001-02 VA003-01 VA003-02 VA003-03 VA003-04 VA015-01 VT001-01 WA001-04 35	Land records	AK003-01 MN001-01 2
Hazards	CA004-01 1	Land resources	MI002-01 MS002-02 2
Hydrographic data	NE001-01 1	Land use	AK003-01 LA003-01 MS002-02 PR003-01 VA016-01 WA004-01 WA006-01 WI007-02 WI008-01 9
Infrastructure	AK003-01 KY001-01 VA016-01 3	Land use areas	NY005-01 1
Integrated terrain u	KY001-01 1	Land use/land cover	AL001-01 AL002-01 CA001-01 CA004-01 CO002-01 DE001-01 FL003-01 FL004-01 HI002-02 ID001-01 IL005-01 NI002-01 MN001-01 MS001-01 MS002-02 NC007-01 NE001-01 NY005-01 OH001-01 OR004-01 PA005-01 PA006-01 PR001-01 RI001-01 SC001-01 WA001-01 WA001-02 WA003-01
Irrigation	MN001-01 1		28
Land area	MI001-01 1		
Land assessment	AK001-01 1		

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Landscape units	MN001-01		OK001-05
	1		OK001-06
Marine resources	FL001-01		OK001-07
	VA002-01		OK006-01
	2		OK007-01
Meteorological resou	TX001-01		9
	1	Oil and gas leases	OK001-02
Mineral leases	NM002-01		1
	1	Ownership	AK001-01
Minerals	AK001-01		MN001-01
	MN001-01		NM001-01
	2		NM002-01
Mining	IL006-01		OH001-01
	ND002-01		WI007-03
	NJ004-01		6
	WA003-01	Paleontology	NM001-01
	4		1
National monuments	NM002-01	Phytoplankton	NC006-02
	1		1
Natural areas	IL002-01	Public water	KY001-01
	M0001-04		1
	OH001-01	Rare/threatened/enda	KY001-01
	3		1
Natural disasters	IL006-02	Recreation	AK001-01
	MS001-01		KS001-01
	2		MN001-01
Natural diversity ar	TN002-01		NC002-01
	1		NC007-01
Natural diversity el	AR001-01		NJ006-01
	AZ003-01		NM001-01
	CA005-01		OR003-01
	CO004-01		PA003-07
	FL004-01		PA014-01
	IA001-01		FA017-01
	IN002-01		OR012-01
	KY002-01		UT001-01
	MA002-01		VA012-01
	MA003-01		VA016-01
	MD002-01		WV001-01
	MI003-01		16
	MN005-01	Recreation and open	MD001-03
	M0004-01		1
	MS003-01	Regulatory data	NJ005-01
	NC003-01		
	ND003-01	Rural subdivisions	MN001-01
	NM003-01		1
	OH002-01	Scientific areas	WI009-02
	OK008-01		1
	OR010-01	Shellfish	VA007-01
	PA003-03		VA009-01
	RI002-01		2
	SC002-01	Site analysis	MS001-08
	SD003-01		MS001-11
	TN002-02		MS001-12
	TN003-01		3
	VA017-01	Site assessment	MN001-01
	WA005-01		1
	WV001-01	Socio-economic data	CT001-01
	WY002-01		HJ005-01
	31		KS003-01
Natural environment	CA004-01		MN001-01
	1		TX001-01
Oil and gas	KS002-01		WA008-01
	KS012-01		WIC008-01
	OK001-03		7
	OK001-04		

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Soils data	AL001-01 CA002-01 CO002-01 IL005-01 IN001-01 KY001-01 LA003-01 MD001-01 MN001-01 MS001-01 MS001-02 MS001-03 MS002-02 NC005-01 NC007-01 NE001-01 NJ010-01 NM001-01 NM002-01 NY005-01 OH001-01 OK002-01 OK004-01 OR004-01 PA006-01 SC001-01 SD004-01 WA004-01 WA006-01 WI008-01 30	(cont.)	Surface water NT005-02 NC007-01 NE001-01 NJ002-01 NJ002-02 NJ009-02 OK003-01 OK004-01 OR003-01 OR009-01 OR011-01 PA004-01 PA006-01 PA009-01 PA011-01 PR001-01 PR003-01 SC001-01 TN001-01 VA004-01 VA005-01 VA011-01 VA015-01 VA016-01 WA001-04 WA004-01 WA007-01 WI003-01 WI008-01 WI010-01 54
State lands	MN001-01 MT001-01	Topography	AK001-01 AL001-01 AZ001-02
Streamflow data	2		ID002-01 IN001-01
Streams	NE001-01 1		IN001-02 MD001-01 MN001-01 MS001-01 MS002-02
Surface water	IL003-01 MS001-07 MS002-02 UT001-01 4		NC007-01 OK002-01 OR001-01 OR004-01 PA006-01 SC001-01 UT001-01 VA016-01 WI012-01 19
	AK001-01 AK003-01 CO001-01 CO002-01 DE002-01 FL004-01 ID003-01 IL005-01 IL009-01 IN001-01 KS001-01 KS002-01 KS013-01 KS015-01 KY001-01 MD001-01 ME001-01 MI002-01 MN001-01 MS001-01 MS001-10 MS002-02 MT003-01	Transportation	AL001-01 CA004-01 MN001-01 NC007-01 NY005-01 PA005-01 SC001-01 VA016-01 8
		Unique areas	NY005-01 1
		Urban areas	VA016-01 1

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<u>DATA CATEGORY NAME</u>	<u>CODE</u>	<u>DATA CATEGORY NAME</u>	<u>CODE</u>
Vegetation	AK003-01 AZ001-01 DE001-01 FL004-01 ID001-04 IL005-01 IN001-01 LA002-01 MD001-01 MO001-03 MS002-02 NC003-01 NC007-01 NM001-01 NM002-01 NY002-01 UT001-01 WA004-01 WI009-01 WV001-01 WY001-01 21	Wildlife	AK002-01 AK002-02 AK002-03 AK003-01 AL003-01 AZ003-01 CO001-01 CO002-01 FL004-01 ID001-05 IL005-01 IN001-01 KS001-01 KS014-03 KS014-04 KS014-05 KS014-06 KS014-07 MA001-01 MD001-01 MO001-01 MO001-02
Vegetation water use	CA001-03 1		MO001-03 MO002-01
Water resources	TX001-01 1		MS001-04 MS001-05
Water rights	AK001-01 ID006-01 2		MS001-06 MS001-09 MS002-02
Water use	CT003-01 ID005-01 ND001-01 PA009-01 4		NC003-01 NC007-01 NM001-01 NM002-01 NV001-01
Wells	NE001-01 OK001-01 2		NY001-01 NY002-01 NY004-01
Wetlands	MN001-01 NY003-01 VA016-01 WI007-01 4		OR001-01 PA001-01 PA009-01 UT001-01 WA002-01 WI009-01 WV001-01
Wilderness	UT001-01 1		45

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<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>	<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>	
Ad hoc grid	AK002-01 AK002-03 AZ002-01 C0001-01 IN001-01 IN001-02 MS001-01 NJ008-01 OK002-01 OK004-01 OR002-01 PR001-01 WA004-01 13	County (cont.)	NC008-01 ND001-01 NE001-01 NE002-01 NV001-01 NY003-01 OK001-04 OK004-01 OK006-01 PA001-01 PA002-01 PA003-01 PA003-02 PA003-03 PA003-05 PA003-06 PA003-07 PA003-08 PA010-01 PA012-01 PA018-01 TN001-01 TN001-02 VA003-01 VA003-03 VA003-04 VA093-04 WI004-01 WI009-01 WI010-01 WI012-01 WV001-01 59	
Aquifer	DE002-01 MN003-01 2			
API number	KS011-08 1			
Basin	TN001-01 1			
Between stream gages	ID003-01 1			
Census tract	NY001-01 PA018-01 2			
City	MI001-01 PA003-06 PA003-07 3			
Civil jurisdictions	WI001-01 1			
Climatological Data	NE001-01 1	Crop reporting distr	NE001-01	
Community	WI003-01 1	Distance from local	KS015-01	
County	CA001-01 CO003-01 FL001-01 FL002-01 FL004-01 IL002-01 IL006-02 KS001-01 KS005-02 KS011-03 KS011-04 KS011-07 KS014-03 KS014-05 KS014-06 KS014-07 KS015-01 MA001-01 MI001-01 MO001-03 MS001-02 MT001-01 MT002-01 MI003-01 MT004-01 NC001-01 NC005-01	Drainage basin	ID004-01 MT003-01 ND001-01 WI009-01 4 EPA reach 1 Ecoregion 1 Evaporative demand z 1 Extension area 1 Facility identifier 1 Field KS011-03 KS011-07 2 Forest District	CA001-03 NE001-01 1 PA001-01 1 CA001-03 1 NE001-01 1 NJ001-01 1 PA002-01 PA003-01 PA003-04 PA003-05 4 PA002-01 1 KS005-02 1

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<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>	<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>
Forty-acre parcel	MN001-01	Latitude/longitude	PA008-01
	1	(cont.)	PA008-03
Gaging station	NE001-01		PA008-04
	1		PA009-01
Game Management Unit	C0001-01		PA010-01
	1		PA011-01
Geographic Unit	PA003-01		SD001-01
	1		SD002-01
Hydrologic Unit	PA001-01		SD003-01
	1		TN001-02
Lake	IL009-01		VA001-01
	1		VA002-01
Latitude/longitude	AK002-02		VA003-01
	AZ001-02		VA003-02
	AZ003-01		VA003-03
	CA004-01		VA003-04
	C0001-01		VA004-01
	C0002-01		VA006-01
	DE002-01		VA008-01
	FL001-01		VA011-01
	FL002-01		VA015-01
	FL003-01		VT001-01
	FL004-01		WA001-05
	ID001-03		WA002-01
	IL005-01		WA004-01
	IL006-01		WA005-01
	IL008-01		WV001-01
	IN001-01		78
	IN001-02	Lease	OK006-01
	KS002-01		1
	KS004-01	Locality	VA012-01
	KS006-01		1
	KS008-01	Local political subd	MIO01-01
	KS009-01		1
	KY001-01	Location block based	VA005-01
	LA001-01		1
	MS001-03	Management area	NV001-01
	MT003-01		1
	NC003-01	Management compartme	PA003-04
	NC006-01		1
	NC006-02	Manpower district	KS001-01
	NC006-03		1
	NC007-01	Modified Grid Coordi	DE002-01
	NE001-01		1
	NJ001-01	Municipality	NE001-01
	NJ002-01		NJ005-02
	NJ002-02		NY005-01
	NJ004-01		PA009-01
	NJ007-01		PA012-01
	NJ009-02		PA018-01
	NJ009-03		6
	NM001-01	NJ Rectangular Coord	NJ009-01
	NM002-01		1
	OK004-01	Natural Resource dis	NE001-01
	OR001-01		1
	OR008-01	New York Transverse	NY001-01
	OR009-01		NY002-01
	PA001-01		NY003-01
	PA002-01		NY004-01
	PA003-03		4
	PA004-01	Not geographically r	ID001-05
	PA006-01		KS008-02
	PA007-01		KS014-04
			NC004-01

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<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>	<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>
Not geographically r (cont.)	NJ093-01 OK005-01 PA006-01 PA008-02 PA013-01 PA014-01 WV001-01 11	Public Land Survey (cont.)	MT004-01 ND001-01 NE001-01 NM001-01 OK001-01 OK001-02 OK003-01 OK007-01
Observation well num	VA003-02 1		OR003-01 OR004-01
Owner number	VA003-03 1		OR005-01 OR006-01
Park District	FL003-01 1		OR007-01 OR008-01
Physiographic provin	FL004-01 WV001-01 2		OR009-01 PA010-01 PR004-01
Planning region	KS001-01 1		OR011-01 OR012-01
Point of diversion	ND001-01 1		SD002-01 SD003-01
Projected x,y	KS002-01 1		SD004-01 VT002-01
Public Land Survey	AK002-02 AZ001-01 AZ001-03 AZ002-01 AZ003-01 CO001-01 CO002-01 CO003-01 FL002-01 FL003-01 FL004-01 HI002-01 HI002-02 ID002-01 ID002-02 ID004-01 IL002-01 IL003-01 IL005-01 IL006-01 IL006-02 IL007-01 IL007-02 IL007-03 IL007-04 IL008-01 KS004-01 KS005-01 KS005-02 KS009-01 KS011-01 KS011-02 KS011-08 KS013-01 KS015-01 MO001-02 MO001-04 MT001-01 MT003-01	Reference in area	WA001-01 WA001-04 WA002-01 WA004-01 WI002-01 WI002-02 WI003-01 WI004-01 WI005-01 WI009-01 WI010-01 WI012-01 WI001-01 75 WIO12-01 1 NC005-01 1 NE001-01 1 IL003-01 OR009-01 VA008-01 WA001-05 WA007-04 WI003-01 6 VA007-01 1 VA003-03 1 NE001-01 1 KS001-01 MT002-01 2 FL003-01 1

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<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>	<u>GEOGRAPHIC REFERENCE</u>	<u>CODE</u>
State Plane Coordina	AL002-01 CA002-01 CA004-01 CO001-01 ID001-02 IL005-01 KS001-01 MD001-01 MD001-02 MD001-03 MI002-01 NC001-01 NC002-01 NC007-01 NJ005-01 NJ010-01 PA003-06 PA006-01 VA003-01 VA003-02 VA003-03 VA003-04 WA004-01 WA006-01 24	Universal Transverse	AK002-03, AL001-01 AL002-01 AZ001-01 AZ001-03 AZ001-04 CA003-01 CA004-01 CO003-01 FL001-01 HI003-01 ID001-01 ID001-02 ID001-03 ID001-04 IL005-01 KY001-01 ME001-01 ME001-02 MN001-01 MO001-01 MS002-02 NC007-01 NM001-01 NM002-01 NY005-01 OK002-01 OR001-01 PA009-01 PA012-01 PR003-01 RI001-01 SC001-01 VA010-01 VA016-01 WA001-03 WA002-01 WA004-01 38
State Planning Regio	FL003-01 1		KS002-01 1
Station name	VA007-01 1		MT002-01 1
Station number	IL003-01 1		MI001-01 NY003-01
Stream	PA009-01 1		Village
Street Address & Zip	IL006-02 1		NY003-01
Town	MA001-01 NY003-01 VT003-01 3		2
Township	MI001-01 ND001-01 PA002-01 PA003-03 PA003-05 5	Universal x,y coordi	VA002-01 1
USGS 7 1/2" quadrang	CA001-02 FL004-01 PA001-01 WV001-01 4	Various census geogr	KS014-01 KS014-02 2
USGS codes	NC006-02 NC006-03 2	Water body	FL004-01 PA003-03 WV001-01 3
USGS quadrangle	IL002-01 OH001-01 PA003-03 PA003-05 4	Watershed	WV001-01 1
UTM Zone designator	PA012-01 1	Well location	KS007-01 1
		Well serial number	VA003-01 VA003-04 2
		Zip code	PA003-06 PA003-07 2

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<u>DATA SOURCES</u>	<u>CODE</u>	<u>DATA SOURCES</u>	<u>CODE</u>
Primary		Primary (cont.)	
	AK002-02		NJ007-01
	AL002-01		NJ008-01
	AZ001-01		NJ009-01
	AZ001-02		NJ009-02
	AZ002-01		NJ010-01
	CA001-01		NV001-01
	CA001-02		NY003-01
	CA001-03		NY004-01
	CT002-01		NYC05-01
	FL001-01		OH001-01
	FL002-01		OK001-01
	IA001-01		OK001-02
	ID001-02		OK001-03
	ID001-04		OK001-04
	ID002-01		OK001-05
	ID002-02		OK001-06
	ID004-01		OK001-07
	IL004-01		OK002-01
	IL005-01		OK003-01
	IL006-01		OK005-01
	IL007-02		OR001-01
	IL007-03		OR004-01
	IL007-04		OR005-01
	IL009-01		OR006-01
	IN001-01		OR007-01
	IN001-02		OR009-01
	KS002-01		PA002-01
	KS005-02		PA003-01
	KS006-01		PA003-02
	KS007-01		PA003-04
	KS008-01		PA003-06
	KS008-02		PA003-07
	KS009-01		PA004-01
	KS011-01		PA008-01
	KS011-04		PA008-03
	KS014-01		PA008-04
	KS014-02		PA009-01
	KS014-03		PA011-01
	KS014-04		PA012-01
	KS014-05		PR001-01
	KS014-06		100
	KS014-07	Primary and secondary	AK002-03
	KS015-01		AL002-01
	KY001-01		AZ003-01
	MD001-01		CA003-01
	MD001-03		CA004-01
	MI002-01		CO001-01
	MO001-02		DE002-01
	MO001-04		FL001-01
	MS001-01		FL003-01
	MT003-01		FL004-01
	NC001-01		HI002-01
	NC004-01		HI002-02
	NC006-01		HI003-01
	NC006-02		ID001-01
	NC006-03		ID001-05
	ND001-01		ID003-01
	ND002-01		ID005-01
	NJ005-01		IL002-01
	NJ006-01		IL003-01

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<u>DATA SOURCES</u>	<u>CODE</u>	<u>DATA SOURCES</u>	<u>CODE</u>	
Primary and secondary (cont.)	IL005-01 IL006-02 IL008-01 IN001-01 KS003-01 KS004-01 KS012-01 KS013-01 KY001-01 LA001-01 MA001-01 MD001-01 MD002-01 ME001-01 ME001-02 ME001-01 ME002-01 NN003-01 NC001-01 MS001-01 MT003-01 NC003-01 NC005-01 NC008-01 NJ001-01 NJ003-01 NJ004-01 NM001-01 NM002-01 NY001-01 NY002-01 OH001-01 OR001-01 OR002-01 OR003-01 OR008-01 PA001-01 PA003-03 PA003-05 PA003-08 PA006-01 PA007-01 PA008-02 PA009-01 PA010-01 PA013-01 PA014-01 PR001-01 PR003-01 PR004-01 OR011-01 SC001-01 SD001-01 SD002-01 SD003-01 SD004-01 TN001-01 TN001-02 VA001-01 VA002-01	Primary and secondary (cont.)	VA003-01 VA003-02 VA003-03 VA003-04 VA004-01 VA006-01 VA007-01 VA008-01 VA009-01 VA010-01 VA011-01 VA012-01 VA013-01 VA015-01 VA016-01 VT001-01 VT002-01 VT003-01 WA001-03 WA001-04 WA001-05 WA002-01 WA003-01 WA004-01 WA005-01 WA006-01 WI002-01 WI002-02 WI003-01 WI005-01 WI009-01 WI011-01 WV001-01 WY001-01 113 Secondary	AK002-01 AL002-01 AZ001-03 AZ001-04 CA002-01 CO002-01 CO003-01 CT001-01 ID001-03 IL005-01 IL007-01 IN001-01 IN001-02 KS001-01 KS002-01 KS011-02 KS011-03 KS011-05 KS011-06 KS011-07 KS011-08 KY001-01 MD001-01 MD001-02 MN001-01

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<u>DATA SOURCES</u>	<u>CODE</u>
Secondary (cont.) .	M0001-03 MS001-01 MS001-02 MS001-03 MS002-02 MT002-01 MT004-01 NC002-01 NC007-01 NE001-01 NE002-01 NJ002-01 NJ002-02 NJ005-02 NJ010-01 NM001-01 NM002-01 NY001-01 NY005-01 OK002-01 OK004-01 OK006-01 OK007-01 OR012-01 PA006-01 PA009-01 PA018-01 PR001-01 PR002-01 RICO1-01 SC001-01 VA005-01 WA001-01 WA001-02 WI001-01 WI004-01 WI007-03 WI012-01

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<u>LEVEL OF RELIABILITY</u>	<u>CODE</u>	<u>LEVEL OF RELIABILITY</u>	<u>CODE</u>
High	AL002-01 AZ001-03 AZ001-04 AZ002-01 AZ003-01 CA001-01 CA001-02 CA003-01 FL004-01 HI002-01 HI002-02 ID001-01 ID002-01 IL002-01 IL003-01 IL004-01 IL005-01 IL007-01 IL007-03 IL007-04 IL009-01 IN001-01 IN001-02 KS001-01 KS005-02 KS006-01 KS009-01 KS011-01 KS011-02 KSQ11-08 KSQ15-01 KY0D1-01 LA001-01 MD001-01 MD001-02 MD001-03 MI001-01 MI002-01 MS001-01 MS001-02 MT002-01 MT003-01 NC001-01 NC003-01 NC006-02 NC006-03 NC007-01 NC008-01 NE001-01 NE002-01 NJ005-02 NM001-01 NM002-01 NV001-01 NY001-01 NY004-01 NY005-01 OH001-01 OK001-03 OK001-04 OK001-05 OK001-06	High (cont.)	OK006-01 OK007-01 OR003-01 OR005-01 OR009-01 OR011-01 PA001-01 PA003-02 PA003-03 PA003-04 PA003-05 PA003-06 PA003-07 PA008-01 PA011-01 PA013-01 PR001-01 PR002-01 PR003-01 PR004-01 SD001-01 SD003-01 SD004-01 VA001-01 VA002-01 VA007-01 VA010-01 VT003-01 WA001-03 WA001-05 WA003-01 WI004-01 WI005-01 WV001-01 WY001-01 97
		High to Low	PA003-01 WA004-01 2
		High to moderate	FL001-01 FL002-01 KS004-01 KS013-01 MA001-01 MD001-01 MI002-01 MS001-01 MT003-01 OR001-01 PA002-01 PA009-01 WV001-01
		Low	13
			FL001-01 KS014-05 KS014-06 NC007-01 NE001-01 NM002-01 PA009-01 PR001-01 8

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<u>LEVEL OF RELIABILITY</u>	<u>CODE</u>	<u>LEVEL OF RELIABILITY</u>	<u>CODE</u>
Moderate	AK002-01 AK002-02 AK002-03 AZ001-01 AZ001-02 CA002-01 CA004-01 CO002-01 CO003-01 DE002-01 FL001-01 ID002-02 ID003-01 ID004-01 IL005-01 IL007-02 KS012-01 KS014-01 KS014-02 KS014-03 KS014-04 KS014-07 KY001-01 MD001-01 ME001-01 ME001-02 MI001-01 MS001-01 MS001-03 MT002-01 MT003-01 MT004-01 NC002-01 NC004-01 NC005-01 NC006-01 NC007-01 ND001-01 NE001-01 NJ001-01 NJ005-01 NJ007-01 NJ008-01 NJ009-01 NJ009-02 NM001-01 NM002-01 NY002-01 NY005-01 OH001-01 OK002-01 OK003-01 OK004-01 OK005-01 OR001-01 OR003-01	Moderate (cont.) Moderate to low Under evaluation Unknown Varies	OR004-01 OR006-01 OR007-01 OR008-01 PA003-08 PA004-01 PA006-01 PA007-01 PA008-02 PA008-04 PA009-01 PA010-01 PA012-01 PR001-01 SC001-01 SD002-01 SD004-01 VA008-01 VT001-01 VT002-01 WA001-01 WA001-02 WA001-04 WA002-01 WA005-01 WA006-01 WI001-01 WI003-01 84 IL008-01 NJ006-01 2 ID001-04 1 HI003-01 ID001-02 ID001-03 ID001-05 NY003-01 OK004-01 PA008-03 PA014-01 PR001-01 RI001-01 TN001-01 TN001-02 WI002-01 WI002-02 14 IN001-01 NJ004-01 OR002-01 VA012-01 VA015-01 5

Appendix 6
SUMMARY OF STATE DATA BASES

SUMMARY OF STATE DATA BASES

CODE

ALABAMA

Alabama Power Company Statewide Digital Data Base	AL002-01
Department of Conservation and Natural Resources RUN WILD	AL003-01
Department of Economic and Community Affairs Alabama Resource Information System (ARIS)	AL001-01

ALASKA

Department of Fish and Game Anadromous Waters Catalog	AK002-02
Habitat Assessment Models	AK002-01
Wildlife Distribution/Human Use	AK002-03
Department of Natural Resources Alaska Land and Resource System (ALARS)	AK001-01
North Slope Borough Assembly NSB Geographic Information System (NSB GIS)	AK003-01

ARIZONA

Department of Water Resources Landsat Crop Inventory	AZ002-01
Game and Fish Department Arizona Natural Heritage Program	AZ003-01
State Land Department Arizona Land Resource Information System (ALRIS)	AZ001-04
Arizona Vegetation Inventory	AZ001-01
Digital Topo Database	AZ001-02
Landlines Database	AZ001-03

ARKANSAS

Arkansas Natural Heritage Inventory Natural Heritage Inventory Data Base	AR001-01
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CALIFORNIA

Association of Bay Area Governments (ABAG) Bay Area Spatial Information System (BASIS)	CA004-01
California Natural Diversity Program Natural Diversity Database	CA005-01
Department of Conservation California Statewide Soils Information System Farmland Mapping and Monitoring Program	CA002-01 CA003-01
Department of Water Resources Land Classification Land Use Vegetation Water Use Program	CA001-02 CA001-01 CA001-03

COLORADO

Colorado Historical Society Colorado Inventory of Cultural Resources	CO003-01
Colorado Natural Heritage Inventory Natural Heritage Inventory Data Base	CO004-01
Department of Natural Resources Colorado Resource Information System (CRIS) Wildlife Resource Information System (WRIS)	CO002-01 CO001-01

CONNECTICUT

Department of Environmental Protection Air Quality Data Handling System Connecticut Natural Resources Center (NRC)	CT002-01 CT003-01
Office of Policy and Management Connecticut Census Data Center	CT001-01

DELAWARE

Center for Remote Sensing Land Use Change	DE001-01
Department of Natural Resources and Environmental Control Delaware Water Use Data System	DE002-01

FLORIDA

Bureau of Geology Florida Subsurface Geological Data Base	FL002-01
Department of Natural Resources Division of Recreation and Parks Management Information System Marine Resources Geobased Information System (MRGIS)	FL003-01 FL001-01
The Nature Conservancy Florida Natural Areas Inventory Data Base	FL004-01

HAWAII

Department of Land and Natural Resources Aquarium Fish Catch	HI004-03
Commercial Fish Catch	HI004-02
Historic Sites Inventory	HI001-01
Marine Fish Transects	HI004-01
"Resource Inventory Information"	HI003-01
Department of Planning and Economic Development Coastal Resource Data Base	HI002-01
Economic Planning Information System (EPIS)	HI005-01
Hawaii Planning Activities Support System (H-PASS)	HI002-02

IDAHO

Department of Lands Land Information and Mapping System	ID002-01
Private Land - Forest Protection List	ID002-02
Department of Water Resources Cascade Resource Area Vegetation Analysis	ID001-04
Dam Inventory	ID004-01
Idaho Water Use Data System (IWUDS)	ID005-01
IDWR Image Analysis Facility	ID001-01
IDWR Image Analysis Facility/RASA (RASA)	ID001-02
IDWR Image Analysis Facility/Service-Source Areas	ID001-03
IDWR Image Analysis Facility/Wildlife Habitat	ID001-05
Upper Snake River, Idaho History File	ID003-01
Water Rights Data Bank	ID006-01

ILLINOIS

Department of Conservation		
Illinois Natural Areas Inventory	IL002-01	
Illinois Streams Information System (ISIS)	IL003-01	
Illinois Environmental Protection Agency		
Ambient Lakes Database	IL009-01	
Illinois State Museum		
Illinois Archaeological Sites Data Base	IL004-01	
Natural History Survey		
Illinois Lands Unsuitable for Mining Information System	IL005-01	
State Geological Survey		
Basic Well Data	IL007-03	
Coal Resource and Mining Data Files	IL006-01	
ILLIMAP	IL007-04	
Landslide Information File	IL006-02	
Miners Data Base	IL007-01	
Waterflood Oil Production Data Base	IL007-02	
State Water Survey		
Ground Water Quality Data Base	IL008-01	
Regional Climate Coordinating Office (RCCO)	IL001-01	

INDIANA

Department of Natural Resources		
Indiana Heritage Program	IN002-01	
Holcomb Research Institute		
Model Implementation Project Data Base	IN001-01	
Planning Region 8 - Eight County Data Base	IN001-02	

IOWA

Conservation Commission		
Iowa Natural Areas Inventory	IA001-01	
Geological Survey		
Iowa Water Resources Data System (IWARDS)	IA002-01	

KANSAS

State Biological Survey SELGEM	KS015-01
Center for Public Affairs Kansas Policy Database System (KPDS)	KS001-01
Department of Economic Development Socio-economic Data Base (not yet named)	KS003-01
Fish and Game Commission	
Aquatic Data Analysis System (ADAS)	KS014-01
Creel Census Data	KS014-02
Furbearer Harvest Survey	KS014-06
Hunter Report Cards	KS014-03
Rural Mail Carrier Survey	KS014-07
Small Game Harvest Survey	KS014-05
Waterfowl Chronology System	KS014-04
Geological Survey	
ACCESS	KS009-01
Aeromagnetic Survey	KS006-01
Brine Analysis - Kansas	KS012-01
Chemical Analysis of Irrigation Water	KS007-01
Clay Retrieval	KS011-01
Coal Reserves	KS004-01
Core Collections	KS005-02
Gas Production	KS011-03
Geothermal	KS008-01
Intents to Drill	KS011-06
Kansas Data Base	KS002-01
Kansas On-line Automated Log Analysis (KOALA)	KS010-01
Limestone - Physical Properties	KS011-02
Mineral Resources - Chemical Properties	KS011-04
Oil Production	KS011-07
Plugging File	KS011-08
Seismic	KS008-02
Well Completion Forms	KS011-05
Well Samples	KS005-01
Southwest Groundwater Management District No. 3 Southwest Groundwater Management District No. 3	KS013-01

KENTUCKY

Natural Resources and Environmental Protection Cabinet Kentucky Natural Resources Information System (KNRIS)	KY001-01
Nature Preserves Commission Kentucky Heritage Program	KY002-01

LOUISIANA

Geological Survey Louisiana Water Well Inventory	LA001-01
Mississippi Remote Sensing Center HODGES GARDENS	LA002-01
Office of State Planning Louisiana Areal Resource Information System (LARIS)	LA003-01

MAINE

Department of Environmental Protection Maine Lakes Morphometric Data System	ME001-01
Maine Lakes Water Quality Data System	ME001-02

MARYLAND

Department of Natural Resources Maryland Natural Heritage & Environmental Review	MD002-01
Department of State Planning Maryland Automated Geographic Information System (MAGI)	MD001-01
Maryland Geographic Districting Information System (MDGIS)	MD001-02
Maryland Recreation Inventory System	MD001-03

MASSACHUSETTS

Department of Environmental Management Massachusetts Heritage Program	MA002-01
Department of Fisheries, Wildlife and Recreational Vehicles ACID Massachusetts Wildlife Inventory (WINVNT)	MA004-01 MA001-01
New England Regional Heritage Program New England Regional Heritage Program Data Base	MA003-01

MICHIGAN

Department of Commerce Local Unit Computerized Information (LUCI)	MI001-01
Department of Natural Resources Michigan Natural Features Inventory Michigan Resource Information System	MI003-01 MI002-01

MINNESOTA

Department of Natural Resources Minnesota Natural Heritage Program	MN005-01
Pollution Control Agency Ambient Air Quality Data System Ambient Ground-Water Quality Monitoring Program Solid Waste Facility Inventory and Monitoring System (SWFIMS)	MN002-01 MN003-01 MN004-01
State Planning Agency Minnesota Land Management Information Center (LMIC)	MN001-01

MISSISSIPPI

Mississippi State Heritage Program Heritage Program Data Base	MS003-01
Mississippi Remote Sensing Center BIGBEE BRIDGE CHOCTAW GMA CORRIDOR General Climatological/Hydrologic Studies LCSOILE and LCSOILW LEAF RIVER GMA Multivariable Data Base - Lowndes County NOXUBEE Pearl River Soils Reference Talahalla Game Management Area (CREATURE)	MS001-08 MS001-12 MS001-04 MS001-11 MS001-03 MS001-10 MS001-05 MS001-01 MS001-09 MS001-07 MS001-02 MS001-06
Mississippi Research & Development Center Mississippi Automated Resource Information System (MARIS) Mississippi State Data Base	MS002-01 MS002-02

MISSOURI

Department of Conservation	
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Caves	M0001-02
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Department of Natural Resources	
Missouri Natural Heritage Inventory	M0004-01
University of Missouri	
Climatological Data	M0003-01
University of Missouri - Geographic Resources Center	
PROCEDURES: A Wildlife Information System	
for Missouri	M0002-01

MONTANA

Department of Commerce	
Census and Economic Information Center (CEIC)	MT002-01
Department of Health and Environmental Sciences	
Montana Water Quality Records System	MT003-01
Department of Natural Resources and Conservation	
MONTAN DAM	MT004-01
Reservoir Contents	MT005-01
Stream Flows	MT005-02
Department of State Lands	
Montana Trust Lands Inventory	MT001-01

NEBRASKA

Bureau of Business Research	
Demographic Data	NE002-01
Natural Resources Commission	
Nebraska Natural Resources Data Bank (NNRIS)	NE001-01

NEVADA

Department of Wildlife	
Status, Trends and Utilization of Nevada Wildlife	NV001-01

NEW JERSEY

Delaware River Basin Commission	
Comprehensive Plan	NJ002-01
Self-Supplied Water User Inventory	NJ002-02
Department of Energy	
New Jersey Energy Data System	NJ003-01
Department of Environmental Protection	
Coastal Regulatory Data	NJ005-01
DEPFFINV and DistFW	NJ007-01
DEP Geographic Data Base	NJ010-01
Diversion Allocation Files	NJ009-02
New Jersey Pollutant Discharge Elimination System	
Files	NJ001-01
Public Open Space and Outdoor Recreation Facilities	NJ006-01
Shorefront Municipality Data	NJ005-02
State Forest Inventories	NJ008-01
Survey of Mining Operations in New Jersey,	
Past and Present	NJ004-01
Well Records	NJ009-03
Well Permits	NJ009-01

NEW MEXICO

Department of Game and Fish	
New Mexico State Heritage Program	NM003-01
Natural Resources Department	
New Mexico Natural Resources Information System -	
Site Specific (NRIS)	NM001-01
Technology Application Center (TAC)	
New Mexico Natural Resources Information System -	
Regional Data (NRIS)	NM002-01

NEW YORK

Adirondack Park Agency	
New York State Adirondack Park Agency Data Base	NY005-01
Department of Environmental Conservation	
Breeding Bird Atlas	NY004-01
Freshwater Wetlands Inventory	NY003-01
Significant Habitats Inventory	NY002-01
Urban Wildlife Habitat Inventory	NY001-01

NORTH CAROLINA

Department of Agriculture Soil Testing Program Files	NC005-01
Department of Human Resources Environmental Radiation Data Water Supply Analyses	NC004-01 NC008-01
Department of Natural and Economic Resources North Carolina Natural Heritage Inventory	NC003-01
Department of Natural Resources and Community Development Biological Compliance Monitoring Land Resources Information Service (LRIS) Outdoor Recreation Facility Inventory Phytoplankton	NC006-03 NC006-01 NC007-01 NC002-01 NC006-02
Solid and Hazardous Waste Management Branch Library Management Information System (Branch Library MIS)	NC001-01

NORTH DAKOTA

Parks and Recreation Department North Dakota Natural Heritage	ND003-01
Public Service Commission Coal Mine Permit Data	ND002-01
State Water Commission Water Permit Annual Use Inventory Reports	ND001-01

OHIO

Department of Natural Resources Ohio Capability Analysis Program (OCAP) Ohio Natural Heritage Program	OH001-01 OH002-01
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OKLAHOMA

Center for Applications of Remote Sensing Oklahoma Geographic Information Retrieval System (OGIRS)	OK002-01
Climatological Survey Oklahoma Climatological Survey Data (OCS Data)	OK004-01

Corporation Commission		
Allocated & Unallocated Oil & Gas Production		OK006-01
Department of Agriculture		
Landsat Forest Inventory		OK005-01
Department of Tourism and Recreation		
Oklahoma Natural Heritage Program		OK008-01
Geological Survey		
Oil & Gas Field File		OK007-01
Tax Commission		
Balance File		OK001-07
Claims and Overpayments File		OK001-05
Delinquent Payments File		OK001-06
Detail File		OK001-03
Detailed Payment File		OK001-04
Lease Legal Description File		OK001-02
Well Unit Master File		OK001-01
Water Resources Board		
Oklahoma Water Use Data System		OK003-01
OREGON		
Department of Fish and Wildlife		
Elk Habitat Inventory and Mapping		OR001-01
Fish Inventory of Oregon Lakes and Streams		OR003-01
Forestry Department		
Fire Studies/Fire Report File		OR005-01
Forest Operator-Landowner Liability Law		
Administration File (FOLLAD Report)		OR006-01
Forest Resource Survey		OR002-01
Insect Damage Survey		OR007-01
OSCUR 2 Forest Inventory		OR004-01
Oregon Natural Heritage Program		
Oregon Heritage Program Data Base		OR010-01
Pacific Northwest River Basin Commission		
Recreation Resources		OR012-01
Water Resources Department		
Groundwater Sources and Aquifer Data, Observation		
Well Net		OR008-01
Streamflow Records		OR009-01
Water Rights Information System (WRIS)		OR011-01

PENNSYLVANIA

Delaware Valley Regional Planning Commission Delaware Valley Regional Planning Commission Data Base	PA005-01
Department of Environmental Resources	
Air Quality Permit Application System	PA016-01
Directory of Mineral Industry (Non-fuel)	PA008-03
Insect and Disease Storage and Retrieval	PA002-01
Land Area Inventory	PA003-02
Minerals Storage and Retrieval System	PA003-05
Pennsylvania Abandoned Mine Lands Inventory	PA007-01
Pennsylvania Bureau of Forestry File Holdings	PA003-08
Pennsylvania Emission Data System (PEDS)	PA012-01
Pennsylvania Mineral List	PA008-02
Pennsylvania Natural Diversity Inventory (PNDI)	PA003-03
Pennsylvania Recreation Inventory	PA017-01
Permit Files	PA015-01
Picture-Rocks-Sonestown Trace Elements	PA008-01
Reading Prong	PA008-04
Solid Waste Activity Monitoring (SWAM)	PA013-01
Snowmobile Registration	PA003-07
State Park Basic Information Data System (BIDS)	PA014-01
Timber Sales Tracking	PA003-04
Timber Volume Inventory	PA003-01
Water Resources Data System	PA009-01
Water Well Inventory	PA010-01
Wood-using Industry Directory	PA003-06
Emergency Management Agency	
Integrated Flood Observing and Warning System (IFLOWS)	PA011-01
Fish Commission	
Pennsylvania Stream and Lake Inventory	PA004-01
Game Commission	
Pennsylvania Fish and Wildlife Data Base	PA001-01
Pennsylvania Institute of State and Regional Affairs (ISRA)	
Pennsylvania State Data Center (PSDC)	PA018-01
SEDA-Council of Governments	
SEDA-Council of Governments Data Base (SEDA-COG)	PA006-01

PUERTO RICO

Department of Agriculture Puerto Rico Department of Agriculture Files	PRO04-01
Department of Natural Resources Hydrological Data Bank of Puerto Rico Natural, Cultural and Environmental Resources Inventory (NCERI)	PRO02-01 PRO03-01
Mississippi Remote Sensing Center Puerto Rico	PRO01-01

RHODE ISLAND

Department of Environmental Management Rhode Island Heritage Program	RI002-01
University of Rhode Island Landsat Remote Sensing Center - Geographic Information System	RI001-01

SOUTH CAROLINA

University of South Carolina South Carolina Natural Resources Information System (SCNRRIS)	SC001-01
Wildlife and Marine Resources Department South Carolina Heritage Trust	SC002-01

SOUTH DAKOTA

Department of Game, Fish, and Parks South Dakota Natural Heritage	SD003-01
Department of Water and Natural Resources Climatological Data - Rain Gauge Network	SD001-01
Geological Survey File 28	SD002-01
Water Resources Institute WRI Data System	SD004-01

TENNESSEE

Department of Conservation		
Tennessee Natural Heritage Area File		TN002-01
Tennessee Natural Heritage Database		TN002-02
Department of Public Health		
Water Use		TN001-01
Water Well Inventory		TN001-02
Office of Natural Resources		
TVA Regional Heritage		TN003-01

TEXAS

Department of Water Resources		
Texas Natural Resources Information System (TNRIS)		TX001-01
Texas Natural Resources Inventory & Monitoring		
System (TNRIMS)		TX001-02

UTAH

Department of Natural Resources and Energy		
Automated Geographic Reference (AGR)		UT001-01

VERMONT

Center for Rural Studies		
Center for Rural Studies Vermont State Data Center		VT002-01
Department of Health		
Water		VT003-01
Department of Water Resources and Environmental Engineering		
Ground Water Management Section's Data Base		VT001-01

VIRGINIA

Department of Conservation and Economic Development		
Virginia Outdoor Plan Information System (VOPIS)		VA012-01
Department of Highways and Transportation		
Landmarks Research Data		VA010-01
Department of Taxation		
Commonwealth Data Base (CDB)		VA014-01
Virginia Large Scale Econometric Model (VLSEM)		VA013-01

State Water Control Board	
Chemical Data	VA003-01
Observation Well Levels	VA003-02
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Virginia Water Use Data System (VWUDS)	VA015-01
Water Data Water Well Completion Report Sub-system (WWCR Sub-system)	VA003-04
Virginia Institute of Marine Science	
Alosid File	VA001-01
Benthic Surveys	VA002-01
Current Meter Data	VA004-01
Nonpoint Source (Runoff) Data (NPS Data)	VA006-01
Oyster Spatfall Data	VA007-01
Small Fish Survey	VA008-01
Survey and Landings Data Operation (SALDO)	VA009-01
VIMS Hydrographic Data Bank (VHDB)	VA011-01
Virginia Polytechnic Institute and State University	
Spatial Data Analysis Lab Data	VA016-01
Virginia Natural Diversity Information Program	VA017-01
Virginia Water Resources Research Center	
Hydrologic Information Storage and Retrieval System (HISARS)	VA005-01

WASHINGTON

Department of Ecology	
Air Quality Data Handling System	WA001-03
Coastal Zone Geographic Information System (ATLAS CZGIS)	WA001-02
Pollution Sources and Monitoring Stations	WA001-05
Shoreline Management Substantial Development Permits and Variances	WA001-01
WRIS Water Right Claims, Permits, Certificates and Changes	WA001-04
Department of Fisheries	
Hydraulic Project Approval (HPA)	WA007-01
Salmon Spawning Ground Data Report	WA007-04
State Licensed Commercial Dealers and Buyers and Fishermen	WA007-02
Washington State Fisheries Statistical Report	WA007-03
Department of Game	
Non-game Wildlife Information System	WA002-01

Department of Natural Resources		
Application Information Management System (AIMS)	WA003-01	
CALMA Mapping System	WA006-01	
Geographic Multiple Use Analysis and Planning System (GEOMAPS)	WA004-01	
LCD Element Occurrence	WA005-01	
Office of Financial Management		
Demographic Data	WA008-01	

WEST VIRGINIA

Department of Natural Resources		
Wildlife/Heritage Data Base	WV001-01	

WISCONSIN

Department of Administration		
Wisconsin Population Estimates and Projections	WI001-01	
Department of Agriculture, Trade and Consumer Protection		
Farmland Preservation Planning and Mapping	WI005-01	
Department of Natural Resources		
Benchmark Inventory	WI012-01	
Integrated Floodplain Repository System (IFRS)	WI003-01	
Forest Crop Law Reminder System (FCL)	WI002-01	
Forest Fire Report	WI004-01	
General Surface Waters	WI010-01	
Land Inventory of Public Lands	WI007-03	
Nongame, Endangered or Threatened Vegetation and Animals	WI009-01	
Public Lands - Forest Reconnaissance	WI011-01	
Scientific Areas	WI009-02	
Shoreland Use	WI007-02	
Wetlands	WI007-01	
Woodland Tax Law Reminder System	WI002-02	
Geological Survey		
Current Mineral Producers	WI006-01	
Southeast Regional Planning Commission		
Southeast Regional Planning Commission Data Base	WI008-01	

WYOMING

Game and Fish Department
Wildlife Observation System (WOS) WY001-01

Wyoming Natural Heritage Program
Wyoming Natural Heritage Program Data Base WY002-01